where we choose to go along with the majority].

- **Compliance** → "going with the flow" for group acceptance. It's a public and temporary influence. Eg, Asch.
- **Identification** \rightarrow Conforming to a social roles for group membership. It's a temporary and public influence. Eg, Zimbardo.
- Internalisation → Genuinely accepting and joining a group publicly and privately. This is a permanent influence. Eg Religion, Veganism.
 ⑤ Difficult to distinguish between compliance and
- internalisation.

 Sherif.

People conform because:

Normative Social Influence:

To be accepted or liked by a group despite disagreeing privately. It's rewarding. (Compliance, Identification)

Informative Social Influence:

Conforming to be 'right' or to gain knowledge. It avoids standing out (internalisation)

ASCH (1956) - CONFORMITY

- 123 male US undergraduates sat around a table to asked to match lines by length. 12/18 tasks the confederates were told to give false answers.
- On the 12 trials, 33% conformed and gave incorrect answers. 50% conformed on 6+ trials.
- When interviewed. PPs admitted that they had conformed to avoid disapproval and disagreed privately (COMPLIANCE)

VARIATIONS

- **Group size** \rightarrow Max of 3 saw 33% conformity, but larger groups didn't see a rise.
- **Unanimity** → 1 confederate disagreeing decreases conformity from 33% 5%.
- **Task difficulty** \rightarrow Lines lengths were harder to spot. Conformity increases.
- © Lack population validity (sample size/gender/students) /
 Androcentric / Beta bias /
 ethnocentric / Can't be applied to collectivist cultures / lacks temporal validity / Unethical (deception) / Women conform more / Engineering students less likely to conform.

SOCIAL SUPPORT ASSOCIAL INFLUENCE

Social support → Asch found that unanimity promotes resistance. This introduces the idea that there are other answers/ideas possible which increases personal confidence.

Locus of control → perception of individual control. INTERNALITY (I have control) EXTERNALITY (controlled by other factors). High internals are like

Locus ot control → perception of individual control. **INTERNALITY** (I have control) **EXTERNALITY** (controlled by other factors). High internals are likely to seek information / goal oriented and resist coercion from others.



MINORITY INFLUENCE → Consistency / Commitment / Flexibility needed to create a conversion process.

MOSCOVICI → groups of 6 (4 PPs, 2 confederates) asked to judge the colour of different blue slides. Confederates called the blue slides 'green'.

Green consistently = 8% influence which led to greater green chips being identified in later trials.

ZIMBARDO (1973) - SOCIAL ROLES

- 24 male student volunteers were assigned the role of 'guard' or 'prisoner' in a mock prison at Stanford University. Zimbardo was the prison warden, all PPs were given uniform and props.
- Guards started to create their own punishments and volunteered to work longer hours. Prisoners started to riot, become passive and followed orders, 5 prisoners had to be released early from the study 2 days in and the study was terminated on day 6 of 14.

VARIATION - BBC PRISON STUDY (2006)

- 15 male PPs were divided into 5 groups matched on her personalities. Random allocation of 2 guards and 1 prisoner. 8 day study.
- PPs didn't conform to their roles. Prisoners identified as a group and challenged guards. Guards failed to identify to role.

© Conformity isn't automatic / Highly unethical / Demand characteristics of BBC and SPE hidden cameras / Support with Abu Grahib / Androcentric / beta

© Public perceptions of 'deviant' will limit minority influence / social norm interventions aren't always successful and can make conforming people

VIA MINORITY:

- Draw attention to the issue > cognitive conflict between beliefs > consistency > augmentation principle (suffering) > the snowball
- Eg, smoking ban, suffragette's movement, gay marriage.
- VIA MAJORITY (CONFORMITY)
- Social norms interventions >
- identifying widespread misperception related to risky behaviour "Most people don't drink at University".

AGENTIC STATE → attributing responsibility to someone else (authority figure). Shifting responsibility is AGENTIC SHIFT

Eg, following orders of experimenter in Milgram's obedience study.

LEGITIMACY OF AUTHORITY > someone who is perceived to be in a position of social control. Eg, the experimenter.

results now) / controlled / understanding of obedience.

AUTHORITARIAN PERSONALITY → a distinct personality patter characterised by strict following of values and a belief in obedience and submission to authority.

ADORNO → The F Scale → rigid and B&W thinkers, obeyed authority and likely to had been raised by authoritarian parents.

© Altermeyer found a + correlation between high authoritarian personality and giving themselves

electric shocks for incorrect answers.

MILGRAM (1963) - OBEDIENCE

- (experimenter and learner). PP was always the teacher who had to punish the learner for incorrect answers via electric shocks.

 Learners sat in a different room and received fake shocks. If the teacher stopped, there were 'prods' to encourage them.
- 26/40 PPs (65%) shocked until 450V All PPs shocked to 300V. 5 stopped at 300V (12.5%).

VARIATIONS

- Proximity → in the same room (40% obeyed) / Moving the learner's hand onto a plate (30% obeyed) / Phone instructions (21% obeyed)
- Location → Laboratory (65%) / Rundown office (48% obeyed to 450V)
- Uniform → the more authority people appear to have; the more likely obedience will happen. Eg. Police Vs homeless.
- © Socially sensitive / Highly unethical / lacks internal validity (mundane realism) / gender differences (Androcentrism & beta bias) © High historical validity (same
- © Milgram et al (1966) followup study of 1963. 20 'obedient' PPs and 20 'defiant' PPs completed a personality test to measure authoritarian personality. Higher levels found in the 'obedient' PPs.
- © Left wing views associated with lower levels of obedience / Less-educated obey more than well-educated people.

Social context/situation is

stronger than disposition.

Θ.	Unlimited (Bahrick, 1975)	Limited (18- 30) (Peterson, 1959)	Limited – If no attention given, spontaneous decay takes place and it fades away quickly. (Sperling, 1960)	Duration = timeframe
@ • I=	Semantic (meaning). It's split into 3 stores: Episodic, Semantic and Procedural. (Baddeley, 1966)	Acoustic (Baddeley, 1966)	Based on senses. 2 most common: Iconic (Visual is stored visually) or Echoic (sound is stored acoustically) (Sperling, 1960)	Coding = format
	Unlimited	7 items +/-2. (Jacobs, 1887/ Miller, 1956)	Large – Eg; Each eye has 100 million cells each storing visual data. (Sperling, 1960)	Capacity = amount
	LTM A permanent store.	STM	Sensory Register A temporary store	

MULTI-STORE MODEL (1969)

Sensory register holds It attention is focused, sensory information.

Sensory

information into LTM, other it rehearsal is needed to move the STM. Maintenance information is passed onto information

> Central SAT DON

> > Retrieval

® Reductionist / unitary storec than rehearsal. Tulving / LTM needs more challenged by WMM and

sketon poo (ISUOSpatial

SPERODIC SPERO

Second Lots of evidence for separate stores. damage case studies show separate stores / brain

WORKING MEMORY MODEL (1974)

- Challenged MSM, stating that STM has struggle to listen or see 2 items at and listen at the same effectively, but stores within it because we can see
- Central executive → directs information to the correct 'slave
- Phonological loop → limited capacity. articulatory processes (inner voice) phonological store (inner ear) and auditory store which breaks down into
- Visuo-spatial sketchpad → visual/spatial awareness.
- Episodic buffer → added in 2000. collates all information together and passes it onto LTM.

- Declarative/Explicit TYPES OF LTM conscious): **Episodic** – Events and
- Semantic facts and
- experiences (time/senses)
- mplicit (unconscious) knowledge

Procedural – skills and

- Brain scans show memories in different places / HM
- case study / Alzheimer
- Case studies are limited post mortem needed. brain scans are limited,

Rehearsal loop

interferes with new learning. **Proactive** → past learning interferes with past learning. **Retroactive** → new learning FORGETTING - INTERFERENCE

> FORGETTING - RETRIVAL FAILURE to be remembered from the end.

Context dependent → Memory

recall is better when the

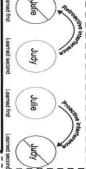
Primacy effect → items are more likely

Recency effect → items are more likely to be remembered from the start.

- Artificial research / explain everything, interference doesn't individual differences.
- Real-word application to advertising.

was learnt. Eg, Scuba diver study.

environment is the same as where it



Real world application (mental

reinstatement) / supporting

same as when you learnt it. Eg,

better when your mental state is the

State dependent → Memory recall is

Drunk vs Sober study.

EYEWITNESS TESTIMONY - LEADING

- 45 PPs shown 7 films of different traffic QUESTIONS

 Loftus and palmer (1974) accidents and were asked to describe the accident
- "How fast were the cars going when they X each other?"
- Smashed = 40.8mph / collided = 39.3mph / hit = 34mph / contacted = 31.8mph.
- "Was there any broken glass?" Those who were given the stronger verbs were likely to say yes.

Phonological loop ? Articulatory control system

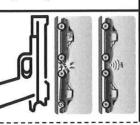
- © Real life application supporting research (police interviews) (Disneyland – false
- Artificial test individual differences response bias / (ecological validity) (children).

® Central executive is vague and limited

/ reductionist / problems with case

studies of brain damage (KF) dual-task performance and case

Long-term Memory



memory).

IMPROVING EYEWITNESS TESTIMONY

leading questions. **COGNITIVE INTERVIEW** → a police reduce inaccurate information from technique for interviewing witnesses to

- Mental reinstatement context of crime.
- Change order reverse to challenge Report everything – free recall
- 4 Change perspective – other witness schema.
- POV to challenge schema

© Effective and increases accuracy /

S Individual differences (negative) police / artificial research / different increases quantity of recall. police regions will use slightly different stereotypes) / time consuming for rechniques.

EVENT DISCUSSION EYEWITNESS TESTOIMONY - POST-

- Memory can be altered or able to discuss what they saw interviewed multiple times or if they're interviewed together contaminated by co-witnesses
- 71% of PPs who discussed an event before recall mistakenly recalled information.

EYEWITNESS TESTIMONY - ANXIETY

- Weapon focus effect → PPs asked to sit in a waiting room where they heard an argument. A man runs out with either a pen covered in grease or a knife in blood. They were asked to identify the man.
- 49% identified the pen man, 33% identified the knife man
- Anxiety can have a negative effect by drawing people to specific details of the crime and away from features of the criminal.
- survival. In real-life crimes, witnesses are likely to remember 75% of detail up to 15 months **Positive effect** \Rightarrow evolutionary argument – it's adaptive to remember details to promote after the crime.
- YERKES-DODSON EFFECT → too much anxiety will impair recall accuracy

CAREGIVER-INFANT INTERACTIONS

- Reciprocity → Communication caregivers. Natural pauses. turn-taking between infants and
- When mums stopped showing upset and tried to provoke a any expression or response to their babies, the child becomes response.
- during communication. Interactional synchrony → Mirroring of facial expressions
- Infants will imitate and expression or gesture shown by an adult from 2w of age.
- can't replicate / Individual differences (attachment). difficult to test baby behaviour Babies only imitate humans /
- beneficial research for theory of

SCHAFFER AND EMERSON (1964) **DEVELOPMENT OF ATTACHMENT**

- Indiscriminate attachmen all objects. (0-2m) – same response to
- Ņ Start of attachment (2-7m) – forming preferences
- ω Discriminate attachment stranger anxiety towards primary caregiver. (7m) - separation and
- Multiple attachment (8m+) develop. secondary attachments
- Siased sample / self-reported data / supported by Bowlby cultural differences / stages are inflexible

ROLE OF THE FATHER

rathers given more rights over children

(paternity leave).

Schaffer & Emerson → 3% of dads were primary

attachment / by 18m, 75% of infants had an

Dads seen as playful parents, whereas mum is

attachment with dad.

emotional support. Dads are risk-taking

Dads are capable of nurturing and showing

(3)

emotional sensitivity, but social and biological

factors may discourage this.

ANIMAL STUDY - HARLOW

- 8/16 Rhesus monkeys were caged with was measured. 2 wire mothers; one provided comfort the other food. Time spent on each
- All monkeys spent up to 22h on the
- Secure (B) 70% → moderate separation stranger anxiety and secure bases observed

Separation anxiety, reunion behaviour,

infants, mother and a stranger. 108 infants

- distress and stranger anxiety. Accepts reunion
- stranger anxiety. No reunion comfort needed. Avoidant (A) 15% → Low separation and
- Resistant (C) 15% → High stranger and separation anxiety, resists reunion comfort.
- High reliability .94 kappa score / real-world application.
- S Lacks ecological validity / Disorganised differently with each parent / unethical attachment discovered / intants respond

ANIMAL STUDY - LORENZ (1935)

Seconfounding variables of mother

heads / ethics / can't be generalised

reformed animal treatment. Supports maternal deprivation

Challenges the learning theory

90-day critical period & maternal

the comfort mother.

comfort mother, only leaving to feed

When frightened they would cling to

deprivation shown.

- incubator. When incubator eggs hatched between their natural mother and an Greylag geese eggs were separated the followed Lorenz around (imprinting)
- Chicks imprint onto yellow gloves Critical period of 2 days.
- S Imprinting can be reversed / limited application to humans.

MATERNAL DEPRIVATION - BOWLBY

separation and loss of emotional Deprivation → an extended will have impact on development. Deprivation during the critical period care.

Long term effects:

social maturity. spends in care the lower their IQ and Lower IQ → the longer a child

separations. Leads to lack of guilt Affectionless psychopathy → 86% of empathy and remorse. juvenile thieves had trequent

conditioned stimulus because it's associated

with food.

EXPLANATIONS - LEARNING THEORY

Classical → caregiver becomes a

issues, delayed sexual development can lead to stunted growth, sleep **Dwarfism** → emotional deprivation Anaclitic depression.

Drive reduction → by feeding an infant we

feeding infants to remove discomfort. Operant → Negative reinforcement by

rewarding them with food, thus meeting a are positively reinforcing their crying and

- Impact on child development
- S Individual differences not all between privation & deprivation criticised lack of differentiation children are affected / Rutter

attachments / environmental reductionism

Geese imprint before feeding / Contact-

attachment / Infants have multiple S Food-giver isn't always primary

comfort is more important than food

Controlled observation, 8 episodes, 9-18m **CULTURAL VARIATIONS**

TYPES OF ATTACHMENT - AINSWORTH

- Meta-analysis of 32 studies in 8 countries.
- Secure is most common.
- Avoidant was 2nd most common except in Israel and Japan – collectivist
- Resistant is least common in individualistic cultures.
- interpersonal distance. Germany → encourages independence and
- Italy → low rates explained by mothers retuning to work.
- Korea / Japan → child rearing practices , collectivist.
- Secure are universal / large sample
- © Cultural differences within countries / imposed

EFFECTS OF INSTITUTIONALISATION – RUTTER

- ERA 165 Romanian adoptees. 11 adopted Children were tested at ages 4, 6, 11 and 15. before 2y and the remaining 54 by 4y. Control group of 52 UK children adopted
- Romanian children were smaller, weighed Romanians adopted after 6m showed British children if adopted before 6m. less and had low IQ, but caught up with

disinhibited attachment and longer

consequences.

- Physical underdevelopment / poor cognitive poor parenting effects of institutionalisation. development / disinhibited attachment /
- Real-life application / Longitudinal study.
- Individual differences in children can developmen. of many factors in the orphanage / slower influence care received / deprivation is one development rather than poor

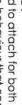
EARLY ATTACHMENTS ON

EXPLANATIONS - BOWLBY

- Adaptive innate need to attach for both infant AND caregiver.
- **S**ocial Releaser innate behaviour that encourages attention tor caregivers tor survival
- otherwise. Critical Period – 2-3y period but sensitive period of up to 5y. Can have irreversible effects
- Monotropy 1 main attachment figure.
- Subsequent research uses Bowlby's ideas / Lorenz & Harlow support critical period / Brazleton & Internal Working Model – blueprint for future relationships based on your first attachment Tronick support social releasers / Internal working model has real life application.
- Little support for Monotropy Schaffer & Emerson say there are multiple attachments and can form attachments / socially sensitive and can impact mothers' choices / IWM is deterministic. different parents have different roles / Temperament determines affachment / Deprived children very deterministic.

ADULTS - HAZAN & SHAVER Love quiz in local newspaper Examined internal working model 56% secure / 25% avoidant 415 women → 620 responses (205 men

- Positive correlation between longer relationships and experience – secure had attachment type and love 19% resistant.
- S Correlational can't assume reporting / ignores treewill, a link / poor memories / self-



something is undesirable and requires change **Abnormal** implies

→ Any behaviour which breaks the **DEVIATION FROM SOCIAL NORMS** unwritten rules of society. Eg, Homosexuality.

- S Lacks cultural bias / Norma changes over time (single mothers & Homosexuality), ignores context / subjective
- © Easy to distinguish normal from abnormal

STATISTICAL INFREQUENCY

- S Lacks cultural bias / some → Statistically uncommon, rare or anomalous behaviours. Eg, High IQ & normal distribution curve.
- more distress. (Depression) / Labelling causes common but undesirable IQ) / some behaviours are behaviours are desirable (high
- Objective measure / real-life

DEVIATION FROM IDEAL MENTAL HEALTH'

Alternate explanations → Vicarious

through operant.

reinforcement / Irrational thinking / biological

preparedness

PROCESS MODEL (Mowrer) → We acquire Classical + Operant conditioning = TWO

Explanations of PHOBIAS

phobias through classical and maintain them

- → Jahoda's 6 criteria need to be autonomy, reality, mastery) self-actualisation, integration, met to be 'normal' (self-attitude,
- S Too unrealistic / culture bias / reality changes over time.
- Can be used as an aspiration

FAILURE TO FUNCTION ADEQUATELY

irrational or dangerous)Eg, discomfort, personal distress, interpersonal rules, observer demands of daily life. Eg, → Unable to cope with he Schizophrenia

- S Difficult to define / ignores context.
- Real-life application we self-

behind phobia / not suitable for all people. SD is time consuming / ignores cognition Effective in results / Flooding is cost-effective.

Let a spider crawl on your shoe.

Let a spider crawl on your desk. Hold the box with the spider. Look at a real spider in a closed box.

20 pages 8

Look at a photo of a spider.

Think about a spider

learning relaxation techniques until it no longer Clients are exposed to their phobias after **FLOODING** → Immediate exposure over 2-3h.

tears them (extinction).

- 5 or more symptoms (1 must be low mood or loss of interest in pleasure)
- 2-week period.
- Daily life affected (work, school social, relationships)

PHOBIAS

- Persistent fear of a social or anxiety which lasts 6 months. performance situation which provokes
- The individual knows they are but actively avoids the stimulus. unreasonable, excessive and irrational
- Daily life affected (work, school social, relationships)

- intrusive and or compulsions that A presence of obsession that are reduce anxiety.
- Time consuming (1+ a day) over 2
- Daily life affected (work, school social, relationships

CHARACTERISTICS

- Hypersomnia, insomnia
- Low mood / low selfesteem
- Absolute thinking
- Suicidal thoughts
- Panicked response Avoidance of stimulus.
- Excessive, irrational and unreasonable thoughts.
- Irrational beliefs. Self-critical
- Hypervigilant Irrational obsessions
- Avoidance of
- stimulus
- Compulsions. Anxiety and distress

Coping strategies.

Explanations of OCD

SERT gene transports serotonin. If these genes are faulty, it car GENES -> COMT gene regulates the production of dopamine. dopamine and low serotonin can cause a damage. which means 'worry signals' are looped in the brain. High NEURAL EXPLANATIONS → damaged orbitofrontal cortex lead to damages in the brain.

the protein excessively groomed themselves which stopped when given SAPAP3 – animal study shows that mice lacking these gene

disorder / real life application Alternate explanations / cause or effect / polygenic

process, counter-conditioning. Clients create an techniques and gradually exposed to their fear

anxiety hierarchy and are taught relaxation

SYSTEMATIC DESENSITISATION → gradual

reatment of PHOBIAS

evolution.

Diathesis-stress model / ignores cognition and

Real life application / Little Albert research

the body can't sustain high arousal for long

Treatment of OCD

Special Property

Alternatives to SSRIs → SNRIs / Tricyclics / which can reduce symptoms of OCD / *Psychosurgery synaptic transmission. **DRUG THERAPY** → SSRIs increase serotonin

® Drugs take a while to start working / only Wery effective / quick and effortless

publication bias / cognitive treatment treats symptoms? / relapse likely / needed for obsessions.

Explanations of DEPRESSION

thoughts = increased vulnerability to developing Negative self-schema + negative automatic depression. This leads to the Negative Triad. Negative views about

depression. Irrational thoughts increases the likelihood of

A – Activating event (trigger)

B – Belief (values and thoughts)C – Consequence (behaviour)

Negative views about Negative views about the future

Treatment of **DEPRESSION**

CBT → 50 min sessions / goal-orientated / present focus / teaches techniques / combination of Ellis and Beck's reatment.

Feeling. Logical, Pragmatic) which will leader to a desired Effect, **REBT** > Dispute irrational thoughts with 'arguments' (Empirical

outside of therapy. challenges them using dysfunctional thought diaries or goals CT → Therapist identifies negative automatic thoughts and

© Real life application / root cause / very effective

© Time consuming / therapist experience / willingness to seek

Germany 1879. opening the 1st experimental lab in Philosophical roots which led to Wundt ORIGINS OF PSYCHOLOGY -

attempt at controlled lab. sensations. Metronome used → first thoughts, feelings, emotions and Introspection – examining your

hypothesis and general laws) empirical, objective, replicable with a Psychology as a science (needs to be

- Reductionist / Subjective / non-
- Led to the development of alternate approaches / real-life application

observable behaviour ALL behaviour is learnt and only measure BEHAVIOURISM (PAVLOV & SKINNER)

Operant Conditioning → Learn through + association to create to CR. Classical Conditioning → Learn through

reinforcement

- Animals → unethical / deterministic ignores cognition & biology
- Controlled / Scientific / Real-life application

behaviour and feeling and influenced by experiences. unconscious drives which stem from childhood **PSYCHODYNAMIC** → Freud believed that all

unconscious, an aspect of ourselves that we're conscious, our present and current awareness seep through and above the water is our preconscious, where dreams and parapraxes unaware of. Under the surface is the **Iceberg analogy** → Under the water is the

and SUPEREGO (morals, responsible for guilt and pleasure), **EGO** (in contact with reality and **Tripartite personality** → **ID** (demands instant responsible for compromise to reduce tension)

superego. DENIAL, DISPLACEMENT and REPRESSION reduces conflict and anxiety between the id and **Defence mechanisms** → Protect the ego and

(3)

Gender bias / qualitative data. evidence of DM Real-life application

and difficult to test, cultural bias

Determinism / abstract

rely on inference a to predict behaviour and **COGNITIVE** → internal mental processes. We use models.

Input Process

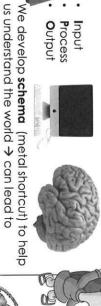
Output













cognitive & biological. Study of brain Cognitive Neuroscience → combination of

structure and neurology.

Lab-based / machine reductionism

stereotypes!



Social Learning Theory Identification = Imitation Observation + Vicarious reinforcement

Mediational processes:

Love/belonging

- Attention
- Retention
- Motor Production
- all imitated their model. BANDURA → Bobo doll / role models / 72 children / Motivation (Vicarious reinforcement)
- Explains cultural norms / mediational processes.
- (E) Lab study / ignores biology / difficult to test → external variables present / doesn't explain HOW children learn aggression.

at each stage that they must resolve. Psychosexual stages → Stages that each child progresses through. They experience conflicts



- Latency Genital rooted in our unconscious Psychological problems are which create symptoms. Psychoanalysis →
- Dream analysis
- Free association
- Freudian slips
- eventually identify with their Oedipus complex → During the castration anxiety and their rival father. They develop mother and will want to rid unconscious desires for his phallic stage, boys will develop Transference relationships

- BIOLOGICAL → ALL behaviour is internal (brain, genes, neurochemistry, hormones, evolutionary
- Monozygotic twins (100%) & Dizygotic twins (50%) → genetic basis The higher the concordance rate the higher the
- Adoption studies combat twins shared environment generations. Family studies show concordance through
- Genotype (DNA code) & Phenotype (external teature)
- Brain structure (4 lobes)
- Neurochemistry (serotonin & Depression)
- Evolutionary theory (Adaptation and innate)
- (3) Biological reductionism / determinism / lab-based ignores environment.
- Scientific / real-life application / nature-nurture → diathesis-stress model

present day, humans have free will over their behaviour and should be viewed holistically. **HUMANISM** → Focuses on conscious experiences in the

hierarchy of needs during life until we meet it. Our MASLOW → Hierarchy of needs. We are all striving behaviour adapts to meet our needs towards self-actualisation and will oscillate through the

- ® Individualistic / abstract / idiographic
- ROGERS → Humans have a basic need to feel valued Self-concept → Self-worth / Self-image / Ideal-self Conditions of Worth placed upon us which affect our **Regard**) but we live in a society where there are and accepted by others (Unconditional Positive congruence.

increased use of defence mechanisms to hide the don't match. This can lead to negative self-worth and **Incongruence** → When our ideal self and our self-image difference.

Congruence → When our ideal self and our self-image

Q-SORT test → an objective test to produce a congruence score.

supports the client in reaching self-actualisation regard, aims to identify conditions of worth and which creates an atmosphere of unconditional positive PERSON CENTRERD COUNSELLING → A talking therapy Real-life application / holistic / tried to be scientific with Q-Sort.

- S Not scientific / relies on self-awareness

and glands via neurotransmitters processes and responds to the environment & coordinates muscles THE NERVOUS SYSTEM → collects.

Fromd Lobe

Central Nervous System

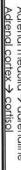
Peripheral Nervous System → Somatic Nervous System (R&D Autonomic Nervous System (F&F

FIGHT OR FLIGHT

- Survival mechanism
- ANS & endocrine system work
- Dilated pupils / digestion and pale skin / dry mouth heartrate / increased sweat / bladder inhibited / increased

hormones through blood vessels via THE ENDOCRINE SYSTEM → secretes

- pituitary gland. Hypothalamus \rightarrow controls the
- Pituitary gland → controls all other glands with its hormones
- Pineal gland → melatonin / sleep
- Thyroid → Thyroxine / metabolism
- reproduction Testes → testosterone, Ovaries → oestrogen / reproduction
- Adrenal medulla → adrenaline



NEURONS → chemical and electrical signals.

- Sensory \Rightarrow carry information towards the CAN. Relay > Found within the CNS, connect sensory and
- Motor → Carry information away from the CNS to muscles/glands.
- Effectors → receive information (glands/muscles **Receptors** → collect information from senses
- They can only travel in one direction → binding receptors / vesicles.

Direction of impulse LEFT BA

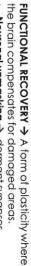


physical changes throughout

STATE OF THE PARTY OF THE PARTY

unused connections. Synaptic pruning → 'removes'

increased grey matter in the taxi MAGUIRE → MRI scans of 16 right drivers in the hippocampi 50 non-taxi drivers. Found experience and compared to handed taxi drivers with 1.5)



- **Neuronal unmasking** → dormant synapses 'unmask' and compensate.
- Spontaneous recovery -> Natural recovery which Stem cells → Implanted or transplanted from healthy areas.
- **Axonal sprouting** → New nerve endings grow and
- Spontaneous recovery is short-term / negative connect to damaged nerves
- Musicians / animal studies with complex environments / cognitive reserve

SPLIT-BRAIN RESEARCH - each hemisphere is responsible for a specific function. Left and right eye process information on the OPPOSITE hemisphere **SPERRY** → 11 ppts who had their corpus callosum removed.

Tactile test – Left hemisphere can describe and identify an item, right can NOT Describe what you see – Left hemisphere can describe, right cant describe but CAN identify.

clearly. Drawing task – Left hemisphere draw poorly; Right hemisphere can draw

- Case study of JW / pop-psychology
 Controlled experiment / chickens co
- Controlled experiment / chickens can perform 2 tasks at once

releases melatonin which causes drowsiness/sleep. Suprachiasmatic nucleus → responds to light → melanopsin **ENDOGENOUS PACEMAKERS** → internal biological clocks

- Decoursey chipmunks had their SCN destroyed and returned tot heir habitat. All died
- © Ralph bred mutant hamsters and adapted their cycles to 20

Exogenous zeitgebers > external environmental cues.

Entrainment > getting babies into a routine to non
sleep/wake cycle. Entrainment → getting babies into a routine to control their

have specific functions Eg, Broca, Wernicke, Occipital lobe **LOCALISATION OF FUNCTION** → specific areas of the brain Frontal Lobe → motor cortex / movement CIRCADIAN RHYTHMS → 24h cycle (sleep/wake)

Parietal Lobe → Somatosensory / senses.

- Primarily controlled by the SCN but needs light to reset each day.
- Siffre case study → Lived in a cave for 61 days* increased to 25 hours. When repeated at 60, his and found that his free-running body clock
- Shift work and jet lag.

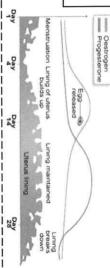
body clock increased to 36 hours.

- ppts increased to 25h Aschoff and Wever > 4 weeks in a bunker. All
- could adjust. Folkard → reduced the time of the day, nobody

INFRADIAN RHYTHMS → A cycle longer than 24h (menstruation)

FSH / Oestrogen / Progesterone all linked to the menstruation cycle.

symptoms during winter months SAD → yearly rhythm which creates depressive-like women who smelled the pheromones of other women altered the length of their cycle



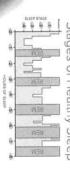
24h (5 stages of sleep) **ULTRADIAN RHYTHMS** → A cycle which repeated within

repeat during 'sleep' 5 stages of sleep which last about 90 minutes and

Klietman – We live our entire sleep/wake cycle in Dement - Found ppts who were woken during REM REM struggled to return to sleep. recorded dreaming whereas PP is woken during N-

periods of 90 minutes. And move from being alert to

Stages of Healthy Sleep





SYNAPTIC TRANSMISSION >

movement of information from one neuron

of NT / electrical current encourages secretion across the synaptic clett to the next. binding on to the receptors of the post Presynaptic membrane holds vesicles full

Summation → the higher net value of synaptic membrane. excitatory / inhibitory neurons will tire.

BRAIN SCANS

 $fMRI \rightarrow measures$ a change in energy released by haemoglobin in the brain. Low temporal resolution / High spatial resolution / non-invasive but expensive.

EEG \Rightarrow Measures electrical activity on the scalp via electrodes. High temporal resolution / Low spatial resolution / can't record deep brain / non invasive and cheap

spatial resolution / can't record deep brain / non invasive and cheap between death and post-mortem / small samples **Post Mortem \Rightarrow** structural examination after death. Detail examination on humans rather than animals / invasive / time

ERP \Rightarrow Measures brain activity via electrodes on the scalp when the ppt performs a task. High temporal resolution / low

creating a code BEFORE and sample method. Eg, every 2nd page, Content analysis → analysing the content of secondary data by tallying the number of gender stereotypes.

number of times these appear within the data. Eg dream themes Thematic analysis → converts qualitative data into quantitative data by creating a category/code AFTERWARDS and tallying the

results on different occasions? **RELIABILITY** → how **consistent** is the data? Can it produce the same

agreement (1) or low (0) this is a kappa score. To improve this score you can include/amend behaviour categories. and compares their results with yours to see if you have high Inter-observer reliability → When another observer repeats the test

Standardisation → to ensure that each procedure is robust and improved by making your test question detailed and specific different time and assessing the score similarity. This can be Test-retest → Giving the same group of PPs the same test at a

repeated consistently across trials. This will improve reliability

you intended? VALIDITY → How accurate is your data? Are you measuring what

counting backwards in 3s. Mundane realism \rightarrow how realistic are the tasks to the real world. Eg ditterent environments and achieve the same results. **Ecological** → the ability to generalise the research results to 0

different time periods. Eg Asch. **Temporal** → the ability for the research results to be generalised to

samples of participants. Population → Can the research results be generalised to other **Concurrent** → to compare your research results to other similar

measure Eg, IQ test – intelligence or memory? Face → to extent in which the test measures what it claims to results in the field and assessing if they're similar findings.

5 FEATURES OF A SCIENCE:

- Empirical methods observable and quantitative
- 2 Objectivity – no bias or opinions involved.
- Replicability does it produce the same results with different

With Pps

TYPES OF DATA:

ETHICS - Can Do Can't Do

and accuracy of their others to assess the quality in the field assess the **PEER REVIEW** → Specialists

scientific work produced by

Theory construction - general principals, laws or

> Qualitative / Quantitative Primary / Secondary /

Meta-analysis

Ordinal → data that

categories Nominal → named

Hypothesis testing - test and retine / theory and test. classifications can be made.

can change over time due to a Falsifiability → always aiming to Paradigm → a set of ideas which prove your hypothesis wrong

> in-between each equal measurements Interval → Data with can be ordered.

> > relationship / difference / association between 2+ variables. Alternative hypothesis → A testable statement about the relationship / difference / association. Nothing is going on hypothesis (Falsifiability) When conducting research, we aim to reject our null **Null hypothesis** → An assumption that there is no

on. Eg, a male being pregnant because they have all the TYPE 1 ERROR → False positive. I've rejected the null symptoms. you have found a genuine positive effect when there isn't hypothesis when I should have accepted it. You believe

there is on. A pregnant female being told she's not accept it) and believe there isn't a negative effect when TYPE 2 ERROR → You fail to reject the null hypothesis (you pregnant because of other factors.

SAMPLIING

most available. Eg, students in a school. Random → names/numbers out of a hat. **Opportunity** → Use PPs that are the most convenient or 10

a proportionate amount is selected. Eg 2 from Y7, 2 from Y8 Stratified \rightarrow subgroups of the population are identified, and

Systematic \rightarrow Every 5th, 7th, 10th person from a list of people. Eg a phonebook

Volunteer → Advertise in a newspaper/notice board and wait for people to volunteer

EXPERIMENTAL DESIGN

COUNTERBALANCE (ABAB or ABBA). Repeated measures > All PPs do each condition. BUT this could cause an **ORDER EFFECT** so we need to

STUDY to consider which variables need controlling. characteristic, typically the DV. It's best to conduct a PILOT Matched Pairs → 2 groups of PPs who are matched on a and we need to RANDOMLY ALOCATE PPs to groups. Independent → Separate groups do separate conditions

research condition they are receiving so they can't seek cues SINGLE BLIND → The PP is not aware of the aims of the

condition the pp is receiving, so both researcher and PP **DOUBLE BLIND** → The researcher and PP are not aware which can't react to cues or provide prompts

value and that can go Set measurements where each unit is the same (time, temperature, weight) Data in categories Ordered in some way via rank or rating scale. (males, females, football teams) Nominal Ordinal Interval Testing difference Repeated Measures / Matched Pairs Related t-test (parametric) RECEIVING Wilcoxor Sign test SIMON WANTS Testing difference (unrelated) Independent Groups Unrelated t-test (parametric) Mann-Whitney UNANIMOUS MORE Chi-Squared association of Spearman's rho correlation Pearson's r (parametric) SINGERS festing PRAISE

direction of the results (X will have a positive effect on **Directional** → My hypothesis directly predicts the

have a difference) difference but doesn't state which way (X and Y will **Non-directional** → my hypothesis states there is a

One tailed → You're using a directional hypothesis. Two-tailed → you're using a non-directional

of day, light, temperature of room but can't always be controlled (mood) but can Confounding → A variable which can change the DV operationalised so it can be measured clearly. DV → What you're measuring. It needs to be IV → What you're manipulating. The conditions/trials. Extraneous → Aspects which you try to control – time caused confusion in the results (time of day).

JOURNAL REFERENCE

Authors name, date, title of article, journal title, volume (issue number)

BOOK REFERENCE

Authors name, date, title of book, place of publication, publisher

POINTS and JUSTIFY your choices / KEEP IT SIMPLE. **DESIGN A STUDY QUESTION** → Answer the BULLET

DESCRIPTIVE STATISTICS

about the 'middle' of a set of provide averages or information Measure of central tendency

value → The Calculated table you plot exam. Their number they table → The Critical value CALCULATED

score. give you in the the score into

ASSUME 0.05 ALWAYS

ordered list. Used with ordinal Median - Middle values of an Used with nominal data.

Mode - Most frequent data.

interval data.

only be used with ration and

by the number of values. Can

Mean - add all the data, divide

data. information about the spread of Measure of dispersion provides

Range – the distance between the top and bottom values in

measure of spread which Standard deviation - precise item above and below the distance between each data measures the average





SEX → biological / genetic. gender and sex behaviour. **STEREOTYPES** → societies expectations for STEREOTYPES AND ANDROGYNY **GENDER** → personal identification.

female characteristics measured using the BSRI ANDROGYNY → a combination of male and

masculine characteristics. BSRI → 7-point Likert scale of feminine and

- Mothers treat boy/girl babies differently / realparenting / test-retest reliability of 0.94. world applications to gender-neutral
- bias / temporal validity. Adjectives in BSRI are restrictive / response

BIOLOGICAL - HORMONES

individuals have an insensitivity to the hormone affects genital development. Some XY activities and tomboyish behaviours. high testosterone levels show inferest in maleand don't develop a penis which means they're raised as female. XX females exposed to **TESTOSTERONE** → produced prenatally and

without testosterone exposure. Female OESTROGEN → XY babies will develop as female

orgasms, wound healing and tight/tligh teelings. Required for breastfeeding. Links or **OXYTOCIN** → bonding hormone. Content/calm hormone for menstruation/pregnancy.]

COGNITIVE - KOHLBERG

- As we age our cognitive abilities abstractly about gender and enhance and we can start to think development
- dolls are still men. View gender knowledge is stable but not consisten: 2. GENDER STABILITY → 4y - gender It's superficial Eg, long hair = girl label themselves and others as boy/gir across situations. Eg men playing with 1. GENDER LABELLING → 2-3y - children

schema to enhance their self-Children identify to ingroup definition of gender. culture to create a personal socialisation, parenting, media,

evaluate their opposing esteem and help them

 GENDER CONSTANCY → 6y - gender learn gender-appropriate behaviour. is constant across situations and will (appearance) superficially on external teatures

 Methodology of tasks / age Supported by research differences / gender differences (beta bias) / stages not needed

03

Schemas hard to override and

stereotypes / sexism. can create distorted supporting research. ingroup/outgroup schema / Organises memory via

Same-sex peers and play will

reinforce gender schemas and

to challenge gender schemas.

outgroup and become resilien

BIOLOGICAL

(male) chromones will encourage the development of sexual organs.

KLINEFELTERS SYNDROME → XXY

configuration. Penis and typical male but less testosterone means they look less **CHROMOSOMES** → Humans have 23 pairs which contain all genes. XX (female) XY some breast tissue. They may be infertile. masculine, less facial hair, broader hips and (male) chromones will encourage the less testosterone means they look less

TURNERS SYNDROME → XO configuration of monthly periods, possibly intertile. females are born with a vagina/womb, lack The 2nd chromones is missing meaning

David Reimer / Caster Semenya **INTERSEX** → a person who doesn't fit the typical male/female characteristics Eg.

- Biology isn't the only factor for gender development Eg Batista boys and their
- © real-world application Olympics/surgery aggressive. testosterone during pregnancy were more / female monkeys exposed to high

AYTPICAL GENDER DEVELOPMENT

BIOLOGICAL: and expressed gender with a desire to remove sexual characteristics. GENDER IDENTITY DISORDER → incongruence between assigned gender

- Pesticide → DDT contains oestrogen which exposes males to high levels. Could lead to more feminised play.
- Gene → MtF transsexuals more likely to have a longer androgen development. receptor gene which reduces testosterone levels and impact prenata
- **Brain-sex theory** \rightarrow BSTc is 2x larger in male brains which correlates with preferred sex rather than biological sex.
- Cross-wiring → sex organs send mixed signals to the brain leading to early age 'phantom' penis where PPs report erections and sensations from an

- Mental health / trauma → maladaptive upbringing could 'trigger' GID case study) but this has been challenged heavily (ethnocentrism / determinism /
- Mother-son → distorted parent attitudes leads to confused gender dentify and female identification.
- Father-daughter → identify to males due to severe paternal rejection, so become male to gain acceptance (psychic determinism,
- **Conditioning** → via SLT and parenting.



COGNITIVE - GENDER SCHEMA

Challenges Kohlberg, Martin

explains that children learn

schemas of gender roles by 3y

Gender schemas develop via



OEDIPUS COMPLEX → boy desires mother, sees dad as rival and identifies with father and develops castration anxiety, so internalises his gender identity to **PSYCHODYNAMIC - FREUD** form his own.

overcomes this by desiring a transfers desires to tather and **ELECTRA COMPLEX** → Girl desires tind a mate. to develop gender identity and baby. She identifies with mother mother but has penis envy,

- Genital stage requires successful resolution of the homosexuality. lead to immoral behaviour or healthy. Unable to identity car 'conflict' to be psychologically
- validity for single parent tamilies Requires child sexual psychic determinism / Feminism have at 5y / lacks predictive awareness which children don't case study support (Little Hans) argument for penis envy.

CULTURE AND MEDIA

- Culture changes over time (Uk gender roles) / Tribal perform certain tasks efficiently (social role theory). in mates / both sexes are biologically redetermined to research shows reversed gender roles (ethnocentrism?) there are universal characteristics that both sexes prefer
- Gender differences within the media, both sexes imitation. Culture expresses itself through media → modelling and
- (3) Difficult to measure the impact of culture and media gender roles (Disney, GoT) can't isolate / not all media promotes stereotyped portrayed differently (androcentric/alpha bias).
- Canada TV study / gender stereotyping is reduced if counter-stereotyping is displayed

SOCIAL LEARNING THEORY

- Children learn appropriate gender roles through indirect identify with their model. reinforcement (socialisation) which increases it they
- Positive / negative reinforcement via mediationa motivation) processes (attention, retention, reproduction,
- Children are likely to pick gender-neutral items if they society / BANDURA identify with the model / gender roles are reinforced by
- Biology plays a role before birth

POSITIVE SYMPTOMS DIAGNOSIS

BIOLOGICAL EXPLANATIONS

GENETICS

distort behaviour or normal experiences → Additional to

mother.

respond to thoughts and medication

Hallucinations (all senses

(3)

Concordance is never 100%

compared to 2%.

- functioning, respond **NEGATIVE SYMPTOMS** → disrupt normal Delusions
- poorly to medication Avolition
- Anhedonia

- Affective flattening
 - Speech poverty

MRI scans show enlarged ventricles which are associated with negative symptoms

PSYCHOLOGICAL TREATMENT

RELIABILITY → Consistency of the diagnosis tool / **VALIDITY** → Accuracy of the tool and clinician RELIABILITY & VALIDITY

DIAGNOSIS & CLINICIANS

DSM & ICD used in different countries and have different

- S Lack of inter-rater reliability (0.11 / 0.46 / 0.4) between the tools are inaccurate, and clinicians misinterpret clinicians using DSM, which means low criterion validity -
- ROSENHAN study all PPs were admitted. Hospital couldn't identify real/fake patients → socially sensitive

Healthy adult behaviours is based around male norms clinicians are likely to over diagnose female patients. (androcentric) / clinicians ignore male symptoms / male

- Hearing voices is acceptable in some cultures / Clinicians accepted / diagnosis more likely in western cultures negative voices common in western cultures where its not / white clinicians distrust and misinterpret black patients / are ethnocentric towards voices and abnormal behaviour
- SYMPTOM OVERLAP
- DID patients have more Sz symptoms / Sz and Bipolar often misdiagnosed / SZ and Bipolar share genetic

COMORBIDITY > 2+ conditions developing at the same time.

OCD and Sz common (Dopamine?) / co-morbid Sz are symptoms, so outcome will be different for all / lacks and validity / diagnosis of patients rarely share same often excluded from research which impacts treatmen treatment/recovery. predictive validity → too many outcomes to predict

Tienari → adoption study. 7% of children with biological Sz mothers developed Sz polygenic / diathesis-stress model plays a big role. Gottesman → MZ twins (48%) both parents (46%) DZ twins (17%) 16% of children with Sz mother developed Sz compared to 2% of children with a non-Sz Joseph → meta-analysis. MZ twins (40%) DZ twin (7%)

DOPAMINE HYPOTHESIS

- **Snyder** \rightarrow Too much = positive symptoms \rightarrow Sz drugs REDUCES dopamine / L-Dopa INCREASES dopamine and gives symptoms / drugs INCREASE dopamine and gives symptoms.
- **Davis** \rightarrow Not everyone has high levels \rightarrow atypical drugs affect dopamine and serotonin He suggests that positive symptoms are caused by TOO MUCH (Mesolimbic) and negative symptoms are caused by a DEFICIT (Mesocortical) – supported by rat study.

NEURAL CORRELATES

challenge delusions and hallucinations and establish symptoms drugs can't treat / Aims to identify and CBTP → NICE recommend 16 sessions to treat residual links between thoughts, teelings and actions.

- Reality-testing examining evidence, challenging and assessing delusions & hallucinations (NIGEL)
- Normalising reduces stigma and anxiety. Reduces rehospitalisation / no side effects or addiction.
- FAMILY THERAPY → aims to treat family dysfunction for S Limited availability / only beneficial at certain stages of illness / often used alongside drugs.
- 10 sessions over a year.
- Support network / Improving communication / Psychoeducation – understanding the illness.

decrease guilt and responsibility

meta-analysis show smallest readmission rates and saving for NHS. up to 2y / positive impact on whole family / costhighest medical compliance, reduction in relapse for

TOKEN ECONOMY (MANAGEMENT) -> operant are rewards when desirable behaviour is displayed conditioning within institutions. Clinicians set targets and

- Works best in institutions when paid hourly.
- Make patients socially acceptable / targets can

Diathesis \Rightarrow biological vulnerability. Eg early trauma which can encourage the HPA to become overactive and make a

to relapse / Cannabis increases risk of Sz 7x.

ALTERNATE EXPLANATIONS

- Smoking during pregnancy > heavy nicotine increases risk of Sz
- Evolution → there must have been an advantage to Sz symptoms for it to still be common
- Socio-cultural → deprivation, city life, population density unemployment and increased inequality increases risk.

synaptic neuron. **DRUG THERAPY** \rightarrow blocks dopamine receptors on the post-

TYPICAL → 1st gen. Only treats positive symptoms and only acts on **ATYPICAL** → modern drugs with side effects. Treats positive, negative and cognitive symptoms. Acts on serotonin and dopamine. Symptoms reduce in a few days. Severe side effects.

- © only treats symptoms / biologically reductionist / reinforces diagnosis and removes accountability.
- Medication is more effective than placebo / cost effective / economy / atypical advantageous

SZ MOTHER (1948) PSYCHOLOGICAL EXPLANATIONS - FAMILY DYSFUNCTION

- Psychodynamic / focus on childhood / cold, rejecting. controlling, tension and secrecy leads to paranoid delusions.
- Can be supported by EE / Double-bind and Insecure Avoidance attachment.

DOUBLE-BIND THEORY

- EXPRESSED EMOTION flattening, paranoid delusions and disorganised thinking. develop internal construction of reality → affective Contradictory messages from parents leads to failure to
- involving, intense, conflicting and negative. The communication style of the family is critical, hostile, over-
- Can lead to relapse if vulnerable to stress.
- Vaughn → High EE and no drugs = 92% relapse / High EE on drugs = 53% relapse / Low EE and no drugs = 15% relapse.

COGNITIVE DYSFUNCTION

auditory hallucinations. which impacts insight into intentions and goals – explains Metarepresentation → inability to reflect on own thoughts

can explain derailment (disorganised speech) **Central control** → inability to supress automatic responses, this

- Impaired insight leads to an inability to recognise cognitive distortions and failure to substitute realistic explanations for
- experience them more and less likely to reality-test noises or Sz with hallucinations are hypervigilant so expect to sounds

INTERACTIONIST APPROACH → we need to look at biological, behavioural and cognitive explanations to understand Sz (biopsychosocial).

Stress \rightarrow stressful life event. Eg, children who experience trauma before 16 are Sz likely to develop Sz / High EE 4x more likely person more vulnerable to stress

Too many treatments at once can be time-consuming

- Alpha bias → exaggerates differences between men Beta bias → Minimises differences between men and and women
- Androcentrism → male point of view
- everyone regardless of time, gender or culture. **Universality** → conclusion that can be applied to
- Kohlberg (moral development) Beta bias, because he only tested males and assumed both sexes developed
- Schizophrenia → Androcentric because society is male dominated, male over diagnose and the criteria is based on healthy males.
- Freud (psychosexual stages) Alpha bias → femininity is failed masculinity; females experience penis envy.

CULTURE BIAS

- **Alpha bias** → exaggerates the differences between cultures.
- Ethnocentrism → Believing that your own culture is normal and correct. Beta bias → ignores or minimises cultural differences. Assumes universality.
- Cultural relativism → There is no right or wrong, we need to understand the context.
- Emic approach to research → Studying one culture to understand specific behaviour as an insider, leads to alpha bias.
- understanding the context within, leads to beta bias Etic approach to research → Observing cultural behaviour withou
- Ainsworth → Ethnocentric assumed all cultures had secure attachment as their majority.
- IQ tests → Beta bias because they only test specific cultures and their context
- $DSM/ICD \rightarrow$ Link to Sz and different diagnosis rates between cultures and the different criteria.

FREE WILL - DETERMINISM

UPR, self-actualisation congruence, conditions of worth, Rogers (HUMANISM) → PCT, thoughts and actions. Can't be and have control and choice over all Free will → we are self-determining tested scientifically.

controlled by internal or external **Determinism** → Behaviour is

controlled (Aggression/Mental **Soft D.** →[COGNITIVE] Humans have tree will, but some behaviours are

Hard D. → [BIO/BEHAV/PSYCH

internal or external forces which are Human behaviour is a result of predictable and causes.

Environmental D. → Socialisation, structure all control behaviour. neurotransmitters, hormones, brair Biological D → Genes,

Psychic D. → Unconscious, conditioning, law of effects. ide, ego, superego, parapraxes. psychoanalysis, psychosexual stages

more forces are responsible for cause and can be controlled within a can show that all behaviour has a behaviour (parenting and hormones **Doubly-determined** → When 2 or Causal explanation → Determinism

NATURE - NURTURE

NATURE > Behaviours is caused by inheritance, innate mechanisms and evolutionary ideas.

Culture, sub-cultures, socia

groups, interaction.

Cognition, Learning,

Emotions.

Psychology

- Attachment → Innate and adaptive to attach to
- Concordance rates → the closer the relation, the higher caregivers and infants. the concordance (genetic) Eg, MZ and DZ twins

Biological approach.
 NURTURE > All behaviour is learnt by different levels of the environment (socialisation, culture, parenting).
 Behavioural approach.

Behavioural approach

Interactionist approach → We must use both together

- Diathesis-stress model genetic vulnerability + life stressor = risk of developing disorder.
- Biopsych. EP and EZ are needed to reset circadian
- smoking, drinking. Epigenetics – Lifestyle can alter genetic activity Eg

Newrochemistry Brain structure Chemistry Genetics Quantum Biology hysics

DIOGRAPHIC – NOMOTHETIC (an approach to researching)

uniqueness of each person. It's avoids generalisations and conclusions. **IDIOGRAPHIC** ightarrow to focus research on individuals with an emphasis on the self and

- Prefers to use qualitative data, self-reporting, case studies, unstructured interviews
- **Humanism** \rightarrow self-reporting within therapy / we all have unique self-actualisation goals and free will.

conclusions about behaviour. Uses general laws (Classification, principles and **NOMOTHETIC** \rightarrow Studying populations of groups of people to make generalisations and

- Prefer to use quantitative data, objective measures and structure interviews.
- Behavioural > Very scientific and aims to make predictions about behaviour
- **Biological** → Very scientific and aims to make classification systems to predict

create nomothetic laws, and we need nomothetic laws to understand group influences on individuals (social influence). We're all striving to be 'unique' but aren't we all the **Combination** → Each approach complements each other. We need idiographic to same by doing so?

whole beings and understand their **HOLISM** → to view humans as REDUCTIONISM - HOLISM

- Humanism → PCT/Gestalt. We whole person to understand how can't focus on specific factors of behaviour; we must consider the they function.
- such as levels of explanation. analyse behaviour if it's broken down into smaller components **REDUCTIONISM** → It's easier to
- Interactionist approach → levels of explanation combine to give a better understanding of behaviour.
- Diathesis-stress model → by understanding different causes and triggers of behaviour we can treatment (Sz – drug therapy / CBTp / FT) create different combinations of

ETHICAL IMPLICATIONS & SOCIAL

Ethical implications → the impact or get accurate results) rights and Researcher aims (deception to Ethical issues → a conflict between PP

potentially sensitive/controversia Social sensitivity → Research has a consequence that research has on the wider context

consequence or implication on society.

- The research question / the methodology sensitive research. interpretation can reduce socially the institutional context and
- use this to manipulate people. Milgram → Positive ethical implication obey BUT social sensitive because we can because we understand how/why people
- Biopsych. → Research into shift work and Bowlby → reformed childcare practices BUT encouraged the view that mothers need to they would face a burden. raise children instead of returning to work or
- because it can encourage people to leave health effects can be socially sensitive
- Cyril Burt and 11+ exams
- Loffus → EWT research reformed cognitive

TOP DOWN APPROACH → American / FBI

Data is organised into patterns → time of day / type of victims and details of the crime. A general overview of the offender, bg information

Organised or Disorganised crime

of murder / location

work out a strategy for investigation. 4. An offender profile is constructed which is used to

5. A report is given to the police and matching persons evidence revealed. are interviewed. Repeat from step 2 if no new

6. If a suspect is apprehended, each step is checked

 Difficult to distinguish between organised and Useful method used today

guessing and inaccurate descriptions. disorganised / method is flawed as its based on on 3 dimensions, there is some biological Personality determines criminality based PSYCHOLOGICAL - EYSENCK

basis for these traits which are innate. within the nervous system. Extraverts Extraversion-introversion → arousal

sympathetic nervous system will react reactive under pressure so the Neuroticism-stability → Neurotics are are under-aroused.

of testosterone. Psychoticism-normality → higher levels

 Twin study correlation not strong for diagnosis but good for freating Personality tests aren't reliable / Not ideal enough / Personality isn't consistent / indicators of delinquency. Extraversion & psychoticism are good

PSYCHOLOGICAL - DIFFERENTIAL **ASSOCIATION THEORY**

suggested a formula of frequency + duration + intensity to predict can be explained via SLT. He Sutherland → offending behaviour

- groups via direct and indirect Children learn attitudes towards operant conditioning. crime from intimate personal
- Frequency, duration and degree social norms for the group. models / vicarious reinforcement of influence is important - role
- Methodological issues (correlation) adolescent behaviours. Explains family trends and of criminal behaviour / Changed views about the origins

/ Can't explain all types of crime /

<u>ignores biological tactors.</u>

BOTTOM UP APPROACH → British research (Interpersonal coherence should be based on theory and

 Investigative Psychology → profiling analysis) Forensic awareness / Small space

Criminal geographical targeting) specifically chosen by offenders for Geographical profiling → Locations are ease and familiarity (Circle theory /

catch offenders all the time. investigative is useful but doesn't help Scientific basis – stats and analysis /

S Circle theory is limited – not all criminals work in this way / Geographical crime not details about the offender profiling only highlights the location of

behaviour. leads to negative interpretation and aggressive malicious intention in behaviour we observe which **HOSTILE ATTRIBUTION BIAS** → when we assume a PSYCHOLOGICAL - COGNITIVE

only reach level 2 – similar to a 10yo. biological maturity and cognition develops. Criminals where people progress through the 6 stages as their MORAL REASONING → Based on Kohlbergs levels an action to reduce negative emotions such as guilt. MINIMALISATION → Underplaying the consequence of

 Moral thinking and moral behaviour aren't the community had stronger morals than non-kibbutzim sex offenders often minimalise their crimes / Cognitive misinterpret non-verbal cues and tacial expressions / theories can be used in treatment / Kibbutzim Real-life application – UK laws only for 10+ / Criminal

PSYCHOLOGICAL - PSYCHODYNAMIC

SUPEREGO (FREUD) → The superego causes feelings of attection, shame or sense of responsibility due to develops alongside morals during childhood. and affectionless psychopathy – a lack of normal MATERNAL DERIVATION (BOWLBY) → 44 thieves' study prolonged separations before 2.5y. guilt it the ids demands for gratification are met. It

 Underdeveloped – caused by inability to identify with same-sex parent during the phallic stage. This high impulsivity. leads to little control over anti-social behaviour and

 Overdeveloped – caused by strong identification to Deviant – normal identification to criminal parents desire to be caught to experience guilt. and anxiety. Crimes would be committed with a strict parent. This leads to extreme feelings of guilt

Sender bias in Freuds theory / Best to use a application of Bowlby / Considers emotional factors / Real world (इंड्र)

means the child develops immorality

combination of theories rather than just one

DEALING - CUSTODIAL SENTENCING

psychiatric hospital stay. The aim of this is to: Court appearance results in prison sentence of Punish offenders and prevent recidivism

Deter others

Allow victims justice / retribution

The psychological effects of custodial Rehabilitation

sentencing include:

suicide / Overcrowding / Lack of privacy Effects on family. Deindividuation / Depression self-harm and

Other benefits – restorative justice ,

BIOLOGICAL

GENETIC > MAOA gene + CDH13 gene both linked to violent crimes BUT could be triggered on right (emotion and motivation) asymmetries in the limbic system, with reduced activity on the left amygdala and increased NEURAL → Reduced functioning in the prefrontal cortex (emotion and morals) or abnormal by a stressor (diathesis-stress) from childhood maltreatment or anti-social behaviour.

Low serotonin leads to impulsivity and high dopamine enhances this. Very high and low levels of noradrenaline are linked to violence

offending. Biological determinism / cause or effect? / Research should be based on aggression not Biological explanations can't explain non-violent crimes / Crime is a social construct / Adoption studies show some support (Crowe) / Real-world application for treatment

PERSONALITY TYPES

bodies. 43% of criminals had at least 5 characteristics. Asymmetrical face, large jaw and cheekbones, unusual ears. Based on post-mortems of 50k ATAVISTIC (Lombroso) → 18 physical characteristics which define criminal behaviour.

SOMATOTYPES \Rightarrow 4k criminals created 4 body types – Asthenic, Athletic, Pyknic, Dysplastic.

have now developed into personality and criminality. © Founder of modern criminology / supporting evidence for somatotypes / Criminal theories

© Lack of control in early criminal research / Androcentrism towards female criminals,

DEALING - RESTORATIVE JUSTICE

involving the victim. Offered instead of prison if the Seeks to achieve justice by repairing or restoring the victim agrees. situation to what it was before the crime, typically

for wrongdoing / victims perspective Aims include rehabilitation of offenders / atonement

victim and society are more important than the of respect to support victims and offenders. reconciliation). Peace circles toster an environment punishment (reparation, responsibility, Watchel → repairing relationships between offender

S Ethical issues (desirable) & schools / Easy to implement / Real-world application to custody

behaviour?) / Only works in

institutions so short-term benefits /

T.E introduction.

males improved their behaviour atter Hobbs and Holt – 91% of delinquent 'tokens' that can be exchanged. This rewarded and reinforced with

shapes behaviour.

where desirable behaviour is Based on operant conditioning

DEALING - TOKEN ECONOMY

reoffending following face-to-face meetings with © 85% satisfaction from victims / Reduces victim / meeting victim is a deterrent 000

Some crimes are not appropriate to meet victims ethical issues for victim.

which teaches people how to deal with stress to A form of CBT which aims to reduce anger and Involves 3 steps – Cognitive preparation / skill protect themselves against future situations. STRESS INOCULATION MODEL → a form of CBI and recidivism rates upon leaving. (Novaco, prisons and aims to reduce prison aggression the most common rehabilitation methods in aggression by reconceptualising the issue. It's

acquisition / application training. real-world application. 75% improvement rates in reducing anger /

Anger, aggression and crime are not necessarily on short term goals rather than long term / Difficult to measure effectiveness of AM courses / CBT isn't effective for everyone / Focus







Community sentences.

 High rates of recidivism – prisons doesn't work / Prisons breed crime 'training' / Individual differences to recidivism

TYPES OF CONFORMITY – ASCH | ZIMBARDO

Compliance / Identification / Internalisation / Normative Social Influence (compliance and identification) / Informative Social Influence (internalisation)

Difficult to distinguish between compliance and identification but supported by Asch, Zimbardo and Sherif.

CONFORMITY - ASCH

Male undergraduates asked to match lines to a control line / 12/18 trials, confederates were asked to give false answers / 33% conformed on 12 trials and gave incorrect answers / 50% conformed to 6+ trials / PPs conformed to avoid disapproval (compliance/NSI)

VARIATIONS

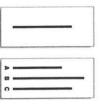
Group size / Unanimity / Task difficulty

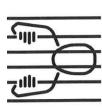
Lacks population validity, shows androcentrism and is unethical. Also women are more likely to conform and lacks temporal validity.

SOCIAL ROLES - ZIMBARDO

Male undergraduates were assigned guard or prisoners / Guards started to create their own punishments and volunteered to work longer hours / Prisoners started to riot, become passive and followed orders / 5 prisoners had to be released early from the study 2 days in and the study was terminated on day 6 of 14.

Highly unethical and demand characteristics evident. Also androcentric but supported by Abu Grahib soldiers and challenged by the BBC study where PPs didn't conform to their roles.









OBEDIENCE - MILGRAM

Male PPs assigned as teacher and asked to administer an increasing electric shock to every wrong answer the learner (confederate) gave / prods were given if PPs were hesitant / 26/40 PPs (65%) shocked until 450V. All PPs shocked to 300V. 5 stopped at 300V (12.5%).

Highly unethical, socially sensitive and androcentric but strong understanding of obedience, high historical validity and controlled.

EXPLANATIONS FOR OBEDIENCE

Agentic state / Agentic shift / passing on responsibility Legitimacy of authority / a person in a position of power

SITUATIONAL VARIABLES

Proximity / Location / Uniform

DISPOSITIONAL VARIABLES OF OBEDIENCE

Authoritarian personality / strict values and beliefs from parents / Adorno / The F-Scale / Milgram follow-up study found higher levels of authoritarian traits in obedient PPs.

EXPLANATIONS OF RESISTANCE TO SOCIAL INFLUENCE

Social support / Asch found that unanimity promotes resistance by introducing other ideas/beliefs / Locus of control / perception of individual control (INTERNALITY / EXTERNALITY) / High internals are likely to seek information / goal oriented and resist coercion from others.

MINORITY INFLUENCE - MOSCOVICE

Consistency / Commitment / Flexibility / conversion / snowball effect / social cryptoamnesia.

MOSCOVICI

groups of 6 (4 PPs, 2 confederates) asked to judge the colour of different blue slides. Confederates called the blue slides 'green' / Green consistently = 8% influence which led to greater green chips being identified in later trials.

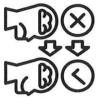
SOCIAL CHANGE VIA MINORITY

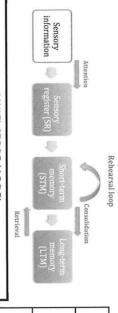
Draw attention to the issue \Rightarrow cognitive conflict between beliefs \Rightarrow consistency \Rightarrow augmentation principle (suffering) \Rightarrow the snowball effect.

VIA MAJORITY (CONFORMITY)

Social norms interventions → identifying widespread misperception related to risky behaviour — "Most people don't drink at University" / Public perceptions of 'deviant' will limit minority influence / social norm interventions aren't always successful and can make conforming people riskier.







MULTI-STORE MODEL

otherwise it decays. needed to transfer information into the LTM Sensory register holds and passes on information to the STM if attention is paid. Maintenance rehearsal is

stores including brain damage case studies rehearsal but there is various evidence of separate the WMM and Tulving. LTM needs more than This is a reductionist theory which is challenged by

WORKING MEMORY MODEL

spatial sketchpad / Episodic butter phonological store / articulatory processes / Visuoonce / Central executive / Phonological loop / effectively, but struggle to listen or see 2 items at because we can see and listen at the same Challenged MSM, stating that STM has stores within it

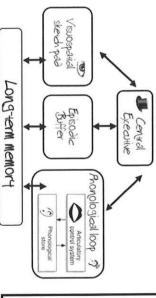
damage support but central executive, case study issues and reductionist approach of STM. Dual-task performance and case studies of brain

TYPES OF LONG-TERM MEMORY

Declarative memory – conscious / Episodic /

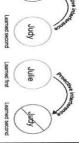
Implicit – unconscious / Procedura

Brain scans shows memories in different locations [Tulving



Duration timeframe Capacity Coding = format = amount Limited – If no attention given, spontaneous decay takes place and it fades away quickly. (Sperling, 1960) Large – Eg; Each eye has 100 million cells each storing visual data. (Sperling, 1960) Based on senses. 2 most common: Iconic (Visual is stored visually) or Echoic (sound is stored acoustically) (Sperling, 1960) A temporary store Sensory Register 7 items +/-2. (Jacobs, 1887/Miller, Limited (18-30) (Peterson, 1959) Acoustic (Baddeley, 1966) 1956) Semantic (meaning). It's split Semantic and Procedural. into 3 stores: Episodic, A permanent store. (Baddeley, 1966) (Bahrick, 1975) Unlimited Unlimited





FORGETTING

INTERFERENCE

with past) / Proactive (old interferes with new) Retroactive (new interferes

explain all forgetting but interference doesn't application to advert. Artificial research and there is real-world

RETRIVAL FAILURE

Context dependent / State dependent

learning and the diver Real-world application to

EYEWITNESS TESTIMONY - LEADING QUESTIONS - LOFTUS & PALMER

who were given the stronger verbs were likely to say yes. 39.3mph / hit = 34mph / contacted = 31.8mph / "Was there any broken glass?" - Those fast were the cars going when they X each other?" - Smashed = 40.8mph / collided = PPs shown 7 traffic accidents on film and were asked to describe the accident / "How

lacks ecological validity and can't be applied to children. Real life application to police interview and supporting research on false memories but

EYEWITNESS TESTOIMONY - POST-EVENT DISCUSSION

discussed an event before recall mistakenly recalled information. Memory can be altered or contaminated by co-witnesses if they're interviewed together, interviewed multiple times or able to discuss what they saw / 71% of PPs who

EYEWITNESS TESTIMONY - ANXIETY

argument. A man runs out with either a pen covered in grease or a knife in blood. They crime and away from features of the criminal / YERKES-DODSON EFFECT ightarrow too much man / Anxiety can have a negative effect by drawing people to specific details of the were asked to identify the man / 49% identified the pen man, 33% identified the knife Weapon focus effect - PPs asked to sit in a waiting room where they heard an anxiety will impair recall accuracy.









IMPROVING EYEWITNESS TESTIMONY

COGNITIVE INTERVIEW

from leading questions - Mental reinstatement / Report everything / Change order / A police technique for interviewing witnesses to reduce inaccurate information cnange perspective.

requires specialist training. Enhanced cognitive interview introduced later Effective and increases accuracy and quality of recall but is time consuming and

CAREGIVER-INFANT INTERACTIONS

Reciprocity / interactional synchrony / Tronick's still face experiment / innate

It's difficult to test infant behaviour and there are individuals differences such as attachment type and temperament but babies only imitate humans and these interaction offer support to Bowlby's social releasers



Indiscriminate attachment (0-2m) / Start of attachment (2-7m) / Discriminate attachment (7m) / Multiple attachment (8m+)

Biased sample of PPs and the use of self-reporting data but supports Rutter in the age of attachments developing.

ROLE OF THE FATHER

Fathers now have more paternity rights compared to previous generations / Schaffer & Emerson found that only 3% of primary attachments were fathers which can be challenged / Fathers typically seen as physically playful and risk-taking whereas mothers seen as nurturing.

Reinforced gender roles and minimal research into father-infant relationships but fathers could be an important role for mothers who then support children effectively.





EARLY ATTACHMENTS ON ADULTS - HAZAN & SHAVER

Examined internal working model and attachment types in later adulthood / 'love quiz' in a local newspaper / 56% secure / 25% avoidant / 19% resistant - Positive correlation between attachment type and love experience – secure had longer relationships and happier / follow-up study found 22% had changed their attachment type.

Methodological issues and deterministic view of behaviour but supports Bowlby's internal working model and replications of the study have found similar results.

ANIMAL STUDIES - LORENZ | HARLOW

LORENZ - GREYLAG GEESE

Greylag geese eggs were separated between their natural mother and an incubator. When incubator eggs hatched they imprinted onto Lorenz / Critical period of 2 days.

Supporting evidence of chicken and yellow gloves and peacocks and tortoise but imprinting can be reversed and poor application to humans.

HARLOW - RHESUS MONKEYS

Rhesus monkeys were caged with 2 wire mothers; one provided comfort the other food. Time spent on each was measured / All monkeys spent up to 22h on the comfort mother, only leaving to feed. When frightened they would cling to the comfort mother / 90-day critical period & maternal deprivation shown.

Challenges the learning theory and supports maternal deprivation however unethical and can't be generalised.



EXPLANATIONS OF ATTACHMENT - BOWLBY | LEARNING THEORY

MONOTROPIC THEORY - BOWLBY

Adaptive – Social Releaser – Critical Period – Monotropy – Internal Working Model (ASCMI)

Research to support Bowlby includes Tronick, Harlow and Hazan * Shaver but IWM is deterministic, the theory is socially sensitive and there is little support for monotropy.

LEARNING THEORY

Classical conditioning through association to food / Operant condition through negative reinforcement when crying and positive reinforcement when feeding

The food-giver isn't always the primary caregiver and infants have multiple attachment. Harlow found contact-comfort is more important than food and the whole theory is environmental determinism.

TYPES AND CULTURAL VARIATIONS OF ATTACHMENT – AINSWORTH | VAN IJZENDOORN

AINSWORTH

Controlled observation of mother and infant with 8 episodes / Separation anxiety, reunion behaviour, stranger anxiety and secure bases observed / Secure (B) 70% / Avoidant (A) 15% / Resistant (C) 15%

High inter-rater reliability of 0.94 but Type D added later, infants respond differently to each parent and ethnocentric.

CULTURAL VARIATIONS

Examined Ainsworth's findings with a metaanalysis of 32 studies in 8 countries / **Secure** is most common / **Avoidant** was 2nd most common except in Israel and Japan – collectivist / **Resistant** is least common in individualistic cultures.

Secure is universal attachment type and large sample used but there are cultural differences between cultures and largely western sample used.

MATERNAL DEPRIVATION & INSTITUTIONALISATION – BOWLBY | RUTTER

MATERNAL DEPRIVATION - BOWLBY

Deprivation during the critical period will have impact on development / Deprivation is an extended separation and loss of emotional care / Long term effects include Lower IQ / Affectionless psychopathy / Dwarfism / Anaclitic depression.

Real-life application to modern childcare understanding but there are individual differences and a lack of differentiation between privation and deprivation.

EFFECTS OF INSTITUTIONALISATION – RUTTER

ERA Romanian Orphanage longitudinal study found that Romanian children were smaller, weighed less and had low IQ, but caught up with British children if adopted **before 6m** / Romanians adopted **affer 6m** showed disinhibited attachment and longer consequences such as Physical underdevelopment / poor cognitive development / disinhibited attachment / poor parenting effects of institutionalisation.

Real-life application but individual differences and unique experience but all children recovered and developed slowly rather than poorly.

DEVIATION FROM SOCIAL NORMS

unwritten rules of society. Eg. Any behaviour which breaks the Homosexuality.

apply. Normal changes over time and lack cultural bias but easy to

STATISTICAL INFREQUENCY

anomalous behaviours. Eg, High IQ & Statistically uncommon, rare or normal distribution curve.

and used by medical protessionals. desirable traits but objective definition Lacks cultural bias and can't explain

DEVIATION FROM 'IDEAL MENTAL HEALTH'

actualisation, integration, autonomy, be 'normal' (self-attitude, seltreality, mastery) Jahoda's 6 criteria need to be met to

be used as aspiration based on individualistic values but can Too demanding and unrealistic and

FAILURE TO FUNCTION ADEQUATELY

dangerous) Eg, Schizophrenia. discomfort, personal distress, irrational or daily life. Eg, interpersonal rules, observer Unable to cope with he demands of

context but accurate process for self-Difficult to define adequate and ignores referral

DEPRESSION

of interest in pleasure) / 2-week period / Daily life low self-esteem / Absolute thinking / Suicidal affected / hypersomnia/ insomnia / Low mood / 5 or more symptoms (1 must be low mood or loss thoughts.

EXPLANATIONS - BECK | ELLIS

negative triad increased vulnerability to developing depression / Negative self-schema + negative thoughts =

ACB model (activating event, belief consequence,

TREATMENT - CBT | REBI

present focus / teaches techniques / combination thoughts / goal-orientated (thought diary) / of Ellis and Beck's treatment. CBT → 50 min sessions / identifies negative

will leader to a desired Effect / Feeling **REBT** → Dispute irrational thoughts with 'arguments' (Empirical, Logical, Pragmatic) which

consuming and requires a willingness to seek and it identifies the root cause but can be time Real-life application to CBT/NHS and the economy therapy.

PHOBIAS

affected / Panicked response / Avoidance of stimulus irrational but actively avoids the stimulus / Daily life individual knows they are unreasonable, excessive and which provokes anxiety which lasts 6 months / the Persistent fear of a social or performance situation Irrational beliefs / Self-critical

EXPLANATIONS - MOWRE

MODEL → We acquire phobias through classical and Irrational thinking / biological preparedness Alternate explanations → Vicarious reinforcement / maintain them through operant. Classical + Operant conditioning = TWO PROCESS

TREATMENT - SD | FLOODING

gradually exposed to their fear – the body can't sustain high arousal tor long. hierarchy and are taught relaxation techniques and counter-conditioning. Clients create an anxiety SYSTEMATIC DESENSITISATION → gradual process

are exposed to their phobias after learning relaxation FLOODING → Immediate exposure over 2-3h. Clients techniques until it no longer fears them (extinction).

suitable for everyone both ignore the cognition behind phobias and not Flooding is cost and time effective but unethical bu

000

Coping strategies stimulus / Anxiety and distress / Compulsions compulsions that reduce anxiety / Time consuming A presence of obsession that are intrusive and or Irrational obsessions / Hypervigilant / Avoidance of (1+ a day) over 2 weeks / Daily life affected /

EXPLANATIONS - BIOLOGICAL

a damage. brain. High dopamine and low serotonin can cause cortex which means 'worry signals' are looped in the **NEURAL EXPLANATIONS** → damaged orbitofrontal

genes are faulty, it can lead to damages in the dopamine. SERT gene transports serotonin. If these **GENES** → COMT gene regulates the production of

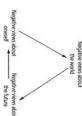
stopped when given the protein these gene excessively groomed themselves which SAPAP3 – animal study shows that mice lacking

TREATMENT - DRUG THERAPY

Psychosurgery Alternatives to SSRIs → SNRIs / Tricyclics / reduce symptoms of OCD / synaptic transmission. **DRUG THERAPY** → SSRIs increase serotonin which can

obsessions. the symptoms and cognitive treatment needed for Drugs are effective and cost-effective but only treats























ORIGINS OF PSYCHOLOGY -WUNDT

experimental lab metronome / Germany Introspection / 1879 / First

becoming a science and Led to psychology introspection influences cognitive approach

BIOLOGICAL APPROACH

hormones or evolution. neurotransmitters, through genes, All behaviour is innate

Monozygotic twins / biological determinism, biological reductionism diathesis-stress model / genotype / phenotype concordance rates / dizygotic twins /

Biopsychology and drug Real life application to are unethical rnerapy but animal studies

Whereas / additionally / similarly / conversely /

however / compared to / Although

Outline one approach and evaluate through

COMPARISON ESSAYS

comparison to another approach

PSYCHODYNAMIC - FREUD

psychoanalysis ego) defence mechanisms personality (id, ego, super Psychosexual stages, childhood experiences / displacement) / conflicts and fixations Unconscious drives and (denial, repression, preconscious / conscious / (OAPLG) / tripartite

evidence of defence mechanisms but gende psychoanalysis and Real-life application of unobservable concepts bias and difficult to test

BEHAVIOURISM - PAVLOV SKINNER

stimulus-response / conditioned / operant measurable and environmental determinism classical conditioning / negative reinforcement / conditioning / positive and All behaviour is observable, reductionism / nomothetic 'scientific environmental

application to phobias and unethical / real-life Animal studies are reatment.

HUMANISM - MASLOW ROGERS

Person-centred Counselling Incongruence / Q-Sort / Regard (UPR) / Conditions others (URP) / hierarchy of Conscious experiences and of Worth / Congruence need to feel valued by **Unconditional Positive** needs / self-actualisation / free will over our behaviour Humans have a basic

PCC but individualistic rely on self-awareness idiographic methods that concepts and studied via hierarchy to education and Real-life application of both

COGNITIVE APPROACH

on I-P-O model / schema predicting behaviour based Inferring information / Input Output Process

education and CBT. and real-life application to cognitive neuroscience to the development of subjective experiences. Led Uses scientific methods and

SOCIAL LEARNING THEORY -BANDURA

processes = imitation. Observation + vicarious identification + mediational reinforcement +

Easy application to children doesn't explain HOW we learning aggression but earn behaviour.





THE NERVOUS SYSTEM

System / Peripheral Nervous System -Nervous System (R&D) Autonomic Nervous System (F&F) / Somatic glands via neurotransmitters / Central Nervous environment & coordinates muscles and Collects, processes and responds to the

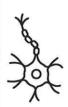
THE ENDOCRINE SYSTEM

adrenaline / Adrenal cortex - cortisol glands / Hypothalamus controls the pituitary Secretes hormones through blood vessels via with its hormones / **Pineal** gland -melatonin , gland / **Pituitary** gland controls all other glands Testes – testosterone / Adrenal medulla – **Thyroid** - Thyroxine / **Ovaries** - oestrogen ,

FIGHT OR FLIGHT

endocrine system which controls physiological which controls physical movement and increased sweat / pale skin / dry mouth bladder inhibited / increased heartrate / processes - Dilated pupils / digestion and Combination of the autonomic nervous system





NEURONS

to muscles/glands. Motor → Carry information away from the CNS within the CNS, connect sensory and motor / information towards the CNS / Relay → Found travel in one direction - Sensory → carry Chemical and electrical signals that only

Effectors → receive information **Receptors** → collect information from senses / (glands/muscles).

SYNAPTIC TRANSMISSION

synaptic membrane. encourages secretion across the synaptic cleft holds vesicles full of NT / electrical current neuron to the next. Presynaptic membrane The movement of neurotransmitters from one binding on to the receptors of the post

excitatory / inhibitory neurons will fire Summation → the higher net value of

BIOLOGICAL RHYTHMS

CIRCADIAN RHYTHMS

bunker and their body clocks increased to 25h / Folkard the body clock / Aschoff & Wever PPs spent 4 weeks in a light to reset each day / Siffre lived in a cave and his body 24h cycle of sleep/wake / Controlled by the SCN but needs reduced the time in a day and no PPs could adjust. lock shifted to 25 hours / shift work and jet lag desynchronise

ULTRADIAN RHYTHMS

lasts around 90 minutes and repeats throughout the day recalled dreams whereas PPs woken during N-REM couldn't. (Klietman) / Dement found that PPs woken during REM A cycle which repeated within 24h / 5 stages of sleep which

727

INFRADIAN RHYTHMS

A cycle longer than 24h (menstruation / FSH / Oestrogen / their cycle / SAD – yearly rhythm which affects mood during smelled other women's pheromones would start to adjust McClintock pheromone study found that women who Progesterone all linked to the menstruation cycle ,

ENDOGENOUS PACEMAKERS

Suprachiasmatic nucleus responds to light and secretes mutant hamsters adapted to implanted 20h sleep/wake severed and all chipmunks died in natural habitat / Ralph's melatonin to induce sleep / Decoursey chipmunks SCN Internal biological clocks that control all biological rhythms /

EXOGENOUS ZEITGEBERS

getting babies into a routine to control their sleep/wake cycle / Campbell – light on the back of the knees wakes PPs. pacemakers / light, noise, sound, food / Entrainment External environmental cues that reset endogenous



BRAIN SCANS

electrodes. High temporal resolution / Low spatial resolution / fMRI - measures a change in energy released by **EEG** - Measures electrical activity on the scalp via spatial resolution / non-invasive but expensive. ERP - Measures brain activity via electrodes on the scalp can't record deep brain / non invasive and cheap haemoglobin in the brain. Low temporal resolution / High

Post Mortem - structural examination after death. Detail examination on humans rather than animals / invasive / time between death and post-mortem / small samples

when the ppt performs a task. High temporal resolution / low

spatial resolution / can't record deep brain / non invasive

and cheap.

language comprehension. speech production / Wernicke's → LEFT temporal lobe / Somatosensory cortex / Occipital Lobe → Visual / Frontal Lobe → motor cortex / Parietal Lobe → Specific areas of the brain have specific functions -Temporal Lobe → Auditory / **Broca's** → LEFT frontal lobe /

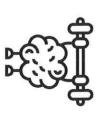
LOCALISATION OF FUNCTION

highlight different roles. Wernicke's aphasia are real conditions and fMRI scans differences within language centres but Broca and Biologically reductionist and there are gender

HEMISPHERIC LATERALISATION - SPERRY

language and right hemisphere dominates visual-motor PPs brained failed to communicate if only one eye Sperry found that when the corpus callosum was severed processes information / Left hemisphere dominates Each hemisphere is responsible for its own function /

with the motor and visual areas of the brain too lateralisation and realistically the language centres work but pop-psychology has reduced the concept of experiment. Chickens can also perform 2 tasks at once, Supports localisation of function and was a control





PLASTICITY - MAGUIRE

compared to 50 non-taxi drivers. Found increased grey 16 right-handed taxi drivers with 1.5y experience and physical changes throughout life / Synaptic pruning matter in the taxi drivers in the hippocampi. 'removes' unused connections / MAGUIRE - MRI scans of The brain develops new neuronal connections and

FUNCTIONAL RECOVERY

Spontaneous recovery / Axonal sprouting damaged areas / Neuronal unmasking / Stem cells / A form of plasticity where the brain compensates for

and trauma recovery. evidence with musicians, animals and cognitive reserve plasticity can be caused by drug use but strong Spontaneous recovery is short-term and negative

DIAGNOSIS

POSITIVE SYMPTOMS

and respond to medication / Hallucinations (all senses) / Delusions Additional to normal experiences, distort behaviour or thoughts

NEGATIVE SYMPTOMS

Avolition / Speech poverty / Affective flattening / Anhedonia Disrupt normal functioning, respond poorly to medication.

RELIABILITY & VALIDITY

/ VALIDITY → Accuracy of the tool and **RELIABILITY** → Consistency of the diagnosis tool

DIAGNOSIS & CLINICIANS

real/fake patients → socially sensitive research. were admitted. Hospital couldn't identify misinterpret and ROSENHAN study – all PPs reliability (0.11 / 0.46 / 0.4) between clinicians have different criteria / Low inter-rater DSM & ICD used in different countries and the tools are inaccurate, and clinicians using DSM, which means low criterion validity –

GENDER BIAS

over diagnose female patients. male symptoms / male clinicians are likely to male norms (androcentric) / clinicians ignore Healthy adult behaviours is based around

CULTURE BIAS

in western cultures. where its not accepted / diagnosis more likely and abnormal behaviour / white clinicians negative voices common in western cultures distrust and misinterpret black patients / Hearing voices is acceptable in some cultures / Clinicians are ethnocentric towards voices

SYMPTOM OVERLAP

Bipolar often misdiagnosed / SZ and Bipolar share genetic overlap DID patients have more Sz symptoms / Sz and COMORBIDITY

rarely share same symptoms, so outcome will excluded from research which impacts 2+ conditions developing at the same time. be different for all so lacks predictive validity → OCD and Sz common / co-morbid Sz are often too many outcomes to predict treatment, treatment and validity / diagnosis ot patients

BIOLOGICAL EXPLANATIONS

Joseph → meta-analysis. MZ twins (40%) DZ twin (7%) / MZ twins (48%) both parents (46%) DZ twins (17%) Polygenic / diathesis-stress model plays a big role Sz mothers developed Sz compared to 2%. **Tienari** → adoption study. 7% of children with biological to 2% of children with a non-Sz mother / Gottesman → 16% of children with Sz mother developed Sz compared

DOPAMINE HYPOTHESIS

suggests that positive symptoms are caused by TOO gives symptoms / Davis → Not everyone has high levels and gives symptoms / drugs INCREASE dopamine and **Snyder** \rightarrow Too much = positive symptoms \rightarrow Sz drugs caused by a DEFICIT (Mesocortical) – supported by rat MUCH (Mesolimbic) and negative symptoms are REDUCES dopamine / L-Dopa INCREASES dopamine → atypical drugs affect dopamine and serotonin. He

NEURAL CORRELATES

MRI scans show enlarged ventricles which are



PSYCHOLOGICAL TREATMENT

Normalising – reduces stigma and actions / Reality-testing between thoughts, feelings and can't treat / Aims to identify and NICE recommend 16 sessions to hallucinations (NIGEL) / and assessing delusions & examining evidence, challenging challenge delusions and treat residual symptoms drugs hallucinations and establish links

FAMILY THERAPY

anxiety.

decrease guilt and responsibility. Improving communication / the illness / Support network , Psychoeducation – understanding 10 sessions over a year. Aims to treat family dysfunction for

TOKEN ECONOMY (MANAGEMENT)

institutions. Clinicians set targets behaviour is displayed and are rewards when desirable Operant conditioning within

GENETICS

associated with negative symptoms







DRUG THERAPY

Severe side effects / ATYPICAL → modern drugs with side effects and only acts on dopamine gen. Only treats positive symptoms post-synaptic neuron / TYPICAL → 1st Blocks dopamine receptors on the cognitive symptoms. Acts on Symptoms reduce in a few days. serotonin and dopamine Ireats positive, negative and

PSYCHOLOGICAL EXPLANATIONS - FAMILY DYSFUNCTION

SZ MOTHER (1948)

paranoid delusions. Psychodynamic / focus on childhood / cold, rejecting, controlling, tension and secrecy leads to

Insecure Avoidance attachment. Can be supported by EE / Double-bind and

DOUBLE-BIND THEORY

affective flattening, paranoid delusions and failure to develop internal construction of reality → Contradictory messages from parents leads to disorganised thinking.

EXPRESSED EMOTION

negative. hostile, over-involving, intense, conflicting and The communication style of the family is critical

Vaughn → High EE and no drugs = 92% relapse / drugs = 15% relapse. High EE on drugs = 53% relapse / Low EE and no Can lead to relapse if vulnerable to stress.

COGNITIVE DYSFUNCTION

goals – explains auditory hallucinations. thoughts which impacts insight into intentions and responses, this can explain derailment (disorganised **Central control** → inability to supress automatic Metarepresentation → inability to reflect on own

explanations for events. cognitive distortions and failure to substitute realistic Impaired insight leads to an inability to recognise speech)

Sz with hallucinations are hypervigilant so expect to experience them more and less likely to reality-test noises or sounds.





INTERACTIONIST APPROACH

holistic diagnosis and prognosis Combining explanations and treatments to provide

develop Sz / High EE 4x more likely to relapse / stress / Stress → stressful life event. Eg, children who which can encourage the HPA to become Cannabis increases risk of Sz/x experience frauma before 16 are 32 likely to overactive and make a person more vulnerable to **Diathesis** → biological vulnerability. Eg early trauma

DEFINITIONS & ANDROGYNY - BEM

SEX – biological / GENDER - personal identification / **STEREOTYPES** societies expectations for gender and sex behaviour / **ANDROGYNY -** a combination of male and female characteristics measured using the BSRI - **BSRI SCALE →** 7-point Likert scale of feminine and masculine characteristics.

BIOLOGICAL EXPLANATIONS FOR GENDER

TESTOSTERONE - produced prenatally and affects genital development. Some XY individuals have an insensitivity to the hormone and don't develop a penis which means they're raised as female. XX females exposed to high testosterone levels show interest in male-activities and tomboyish behaviours / OESTROGEN - XY babies will develop as female without testosterone exposure. Female hormone for menstruation/pregnancy / OXYTOCIN > bonding hormone. Content/calm feelings. Required for breastfeeding. Links or orgasms, wound healing and fight/flight.

CHROMOSOMES - Humans have 23 pairs, which contain all genes. XX (female) XY (male) chromones will encourage the development of sexua organs / KLINEFELTERS SYNDROME - XXY configuration. Penis and typical male but less testosterone means they look less masculine, less facial hair, broader hips and some breast tissue. They may be infertile / TURNERS SYNDROME - XO configuration. The 2nd chromones is missing meaning females are born with a vagina/womb, lack of monthly periods, possibly infertile / INTERSEX - a person who doesn't fit the typical male/female characteristics Eg, David Reimer / Caster Semenya

PSYCHODYNAMIC EXPLANATION FOR GENDER - FREUD

Genital stage requires successful resolution of the 'conflict' to be psychologically healthy / Unable to identify can lead to immoral behaviour or homosexuality.

OEDIPUS COMPLEX

Boy desires mother, sees add as rival and develops castration anxiety, so identifies with father and internalises his gender identity to form his own.

ELECTRA COMPLEX

Girl desires mother but has penis envy, transfers desires to father and overcomes this by desiring a baby. She identifies with mother to develop gender identity and find a mate.

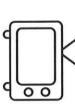
CULTURE AND MEDIA EXPLANATIONS

Culture changes over time (Uk gender roles) / Tribal research shows reversed gender roles (ethnocentrism?) / there are universal characteristics that both sexes prefer in mates / both sexes are biologically redetermined to perform certain tasks efficiently (social role theory)

Culture expresses itself through media

modelling and imitation / Gender
differences within the media, both
sexes portrayed differently
(androcentric/alpha bias).





AYTPICAL GENDER DEVELOPMENT - GENDER IDENTITY DISORDER

Incongruence between assigned gender and expressed gender with a desire to remove sexual characteristics.

BIOLOGICAL EXPLANATIONS

Pesticide → DDT contains oestrogen which exposes males to high levels. Could lead to more feminised play / **Gene** → MtF transsexuals more likely to have a longer androgen receptor gene which reduces testosterone levels and impact prenatal development / **Brain-sex theory** → BSTc is 2x larger in male brains which correlates with preferred sex rather than biological sex / **Cross-wiring** → sex organs send mixed signals to the brain leading to 'phantom' penis where PPs report erections and sensations from an early age.

SOCIAL EXPLANATIONS

Mental health / trauma → maladaptive upbringing could 'trigger' GID but this has been challenged heavily (ethnocentrism / determinism / case study) / Mother-son → distorted parent attitudes leads to confused gender identify and female identification / Father-daughter → identify to males due to severe paternal rejection, so become male to gain acceptance (psychic determinism) / Conditioning → via SLT and parenting.

OF THE COME

COGNITIVE EXPLANATIONS FOR GENDER - KOHLBERG | MARTIN

KOHLBERG

As we age our cognitive abilities enhance and we can start to think abstractly about gender and development / **GENDER LABELLING** \Rightarrow 2-3y – children label themselves and others as boy/girl. It's superficial Eg, long hair = girl./ **GENDER STABILITY** \Rightarrow 4y – gender knowledge is stable but not consistent across situations. Eg men playing with dolls are still men. View gender superficially on external features (appearance) / **GENDER CONSTANCY** \Rightarrow 6y – gender is constant across situations and will learn gender-appropriate behaviour.

GENDER SCHEMA THEORY – MARTIN

Challenges Kohlberg, Martin explains that children learn schemas of gender roles by 3y / Gender schemas develop via socialisation, parenting, media, culture to create a personal definition of gender / Children identify to **ingroup** schema to enhance their self-esteem and help them evaluate their opposing **outgroup** and become **resilient** to challenge gender schemas / Same-sex peers and play will reinforce gender schemas and ingroups.

SOCIAL LEARNING THEORY EXPLANATION

Children learn appropriate gender roles through indirect reinforcement (socialisation) which increases if they identify with their model / Positive / negative reinforcement via mediational processes (attention, retention, reproduction, motivation).





GENDER BIAS

Androcentrism , Alpha bias / Beta bias Universality

APPLICATION

applies their finding incorrectly to females undergraduates but Zimbardo only tested male bias - Milgram, Asch and SOCIAL INFLUENCE - Beta

SCHIZOPHRENIA -

society is male dominated, male over diagnose and healthy males. the criteria is based on Androcentric because

experience penis envy masculinity; females femininity is failed FREUD - Alpha bias →

CULTURE BIAS

Ethnocentrism / Cultural relativism / Emic approach Alpha bias / Beta bias / Etic approach

APPLICATION

majority. assuming all cultures had showed ethnocentrism by secure attachment as their **ATTACHMENT - Ainsworth**

clinician assessment cultural differences and research shows tools show different criteria between diagnosis and SCHIZOPHRENIA - DSM/ICD

FREE WILL – DETERMINISM

Soft Determinism / Environmental Determinism / Psychic Free will / Self-determining / Determinism / Hard Determinism / Determinism / Doubly-determined / Causal explanations Determinism / Biological Determinism / Environmental

APPLICATION

HUMANISM – Free will, self-actualisation and Person-centred counselling.

Psychopathology. COGNITIVE - Soft determinism. Humans have free will, but some behaviours are controlled (Aggression/Mental health)

BIOLOGICAL - hard and biological determinism. Genes behaviour - Gender, Aggression, Schizophrenia neurotransmitters, hormones, brain structure all control

<u>law_of_effects. Attachment. Gender. Aggression. .</u> **BEHAVIOURAL** → Socialisation, conditioning, Stimulus-response



Nomothetic / Quantitative / Objective / General

laws / Classification / Principles / Dimensions ,

model

Interactionism / Diathesis-stress / socialisation / environmental

Combination.

Idiographic / Qualitative / Subjective /

IDIOGRAPHIC - NOMOTHETIC













NATURE - NURTURE

Culture, sub-cultures, social groups, interaction.

Nature / innate / adaptive / Nurture

Cognition, Learning Psychology

Emotions. Biology

Brain structure Genetics

AND Learning theory explanation of

to attach to caregivers and intants

attachment

ATTACHMENT - innate and adaptive

APPLICATION

BEHAVIOURAL – Nomothetic because very

HUMANISM - Idiographic due to qualitative

APPLICATION

methods and unique experiences

scientific and aims to make predictions about

behaviour.

each other. We need idiographic to create **COMBINATION** - Each approach complements

DZ twins.

concordance (genetic) Eg, MZ and the closer the relation, the higher the GENETICS – Concordance rates show

We're all striving to be 'unique' but aren't we all to understand group influences on individuals nomothetic laws, and we need nomothetic laws

the same by doing so?

Neurochemistry Chemistry

hysic

APPLICATION

social sensitivity

Positive or negative impact /

Ethical issues / Ethical implication /

ETHICAL IMPLICATIONS & SOCIAL

SENSITIVITY

BUT social sensitive because we can use this to manipulate people MILGRAM - Positive ethical understand how/why people obey implication because we

children instead of returning to work or they would face a burden. view that mothers need to raise practices BUT encouraged the **BOWLBY** - Reformed childcare

BIOPSYCHOLOGY - Research into impact economy. encourage people to leave their shift work and health effects can jobs which could negatively be socially sensitive because it can

REDUCTIONISM - HOLISM

explanation / interactionism / reductionism / environmental reductionism Diathesis-stress model / biological Holism / Reductionism / Levels of

APPLICATION

centred counselling. **HUMANISM** – Holism – Person-

can be analysed in pieces functions as one, holistically but **BIOPSYCHOLOGY** – The brain

approach - drugs and therapy neurochemical level, but as it explains the cause on a SCHIZOPHRENIA - Reductionism treatment often takes a holistic

exogenous zeitgebers. endogenous pacemakers and **BIOPSYCHOLOGY** – The role of