HL extensions: culture, motivation, technology and data

IB DP Psychology HL extensions and Paper 3

One hour of games

> Look at the data before you agree.

- 2021: under-18s, one hour on Fri, Sat, Sun.
- Claims about technology, motivation, culture.

Two extensions, one paper

Paper 3 joins them: 30 marks.

- Four to six sources on one topic.
- Four questions: 3, 6, 6 and 15 marks.

Individualism and collectivism

> Averages, not rules for every person.

- Separate persons, or members of groups.
- Many people in any country do not fit.

Same murders, two newspapers

> Culture shapes how we explain behaviour.

- English reports: personality.
- Chinese reports: the situation.

WEIRD samples

> 96% of participants from 12% of the world.

- Western, educated, industrialised, rich, democratic.
- **Etic** applies everywhere; **emic** studies from inside.

Three needs

Autonomy, **competence**, **relatedness**.

- Intrinsic: enjoying it. Extrinsic: rewards.
- Self-determination theory: Deci and Ryan.

The overjustification effect

> The reward became the reason.

- Promised a certificate: about 9% drawing.
- No promise: about 17 to 18%.

Social media and well-being

> A real link, but a tiny one.

- More than 350,000 teenagers.
- At most 0.4% of the differences.

A phone on the desk

> Even unused, the phone cost memory.

- Desk, bag, or another room.
- Best: another room. Replications mixed.

Describing numbers

> Centre, then spread.

- **Mean**, **median**, **mode**.
- Range and standard deviation.

Significance and correlation

p below 0.05; r from -1 to $+1$.

- Significant can still be small.
- Negative r: one up, the other down.

Describing words

> Themes, or counts.

- **Thematic analysis**: transcripts to themes.
- **Content analysis**: words to numbers.

Q1: a limit of Source A

Not randomly allocated; small difference.

- Two whole classes: teacher, timetable differ.
- Means differ by 1.9; SDs about 5.

Q2: analyse Source B

> $r = -0.56$: a link, not a cause.

- More screen time, less sleep.
- One self-report survey.

Q3 and Q4: improve, then judge

> Weigh every source before the verdict.

- Improve: random allocation, trackers, triangulation.
- Judge: a small link, cause not shown.

Check yourself

Can you do each of these?

- Culture, motivation, technology studies.
- Read data; answer Paper 3.