

# An assistant that can show its working

Year 10 student investigation

When should an answer be supported, qualified or withheld?

## Hypothesis and criterion

Name the expected effect, the measurement and what would count against your explanation.

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## Method and reproducibility

Record cases, source, units, parameters, controls and how cases are split.

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## Paired evidence

| Case and split | Baseline | Changed result | Interpretation |
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## Counterexample and revised design

Write answerability cases with expected decisions before running the policy. Include absent and contradictory evidence.

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## Individual defence

Explain one exact result, the mechanism, your limitation and what would overturn your claim.

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## Handover and tool use

Next test, saved project filename, tools used and which work is your own.

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Use fictional data. Download your project before changing devices. On shared devices, turn remembering off and clear your work when finished.