

Question

Contains **technology** in a **context** showing an **effect**

„Does pair programming in professional software development teams increases code quality?“

Hypothesis

Needs to contain a **prediction** and needs to be **testable**

„If you do x, then y will happen.“

Experiment

Context

Dependent Variables

Variables that are **measured** during the study.

Independent Variables

Variables that are **changed** during the study.

Method

Lab-/Field study, number of participants, metrics, ...

Results

Experiment's outcome

No interpretation or conclusion!

Conclusion / Limitation

Interpretation of experiment's results.

Verifying or Falsifying Hypothesis.

Scope of generalization.