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make an hypothesis and try to show that is not correct

Build new theory which extends old theory by explaning also new hypothesis (not explained in old theory)

Note 1: both positivism and principle of falsification test hypothesis by experimentsNote 2: a law is an hypothesis that most scientists are confident it will pass any conceivable test

Based on **Sir Karl Raimund Popper** with his work "*Die Logik der Forschung*, in the 30s in Vienna.



## Beyond positivism and Falsification

- **Post positivism**: emphasizes the importance of unobservable parts, not directly verifiable by experiments
- **Relativism**: importance of social factor, science defined by group, not towards objective truth. It solves problems even if it does not explain the world
- **Realism**: real world separate from our perception, science allows to get closer.





