



**Induction vs. Deduction**

Deductive inference

the process of reasoning from general premise(s) to reach a logically certain conclusion

**Example**

• Premise 1: every person in this room is a student

• Premise 2: every student is older than 10 years

• **Conclusions:** every person in this room is older than 10 years



but natural way to deal with uncertainty regarding the premises

the truth of the premises guarantees the truth of the conclusion



**deduction.**

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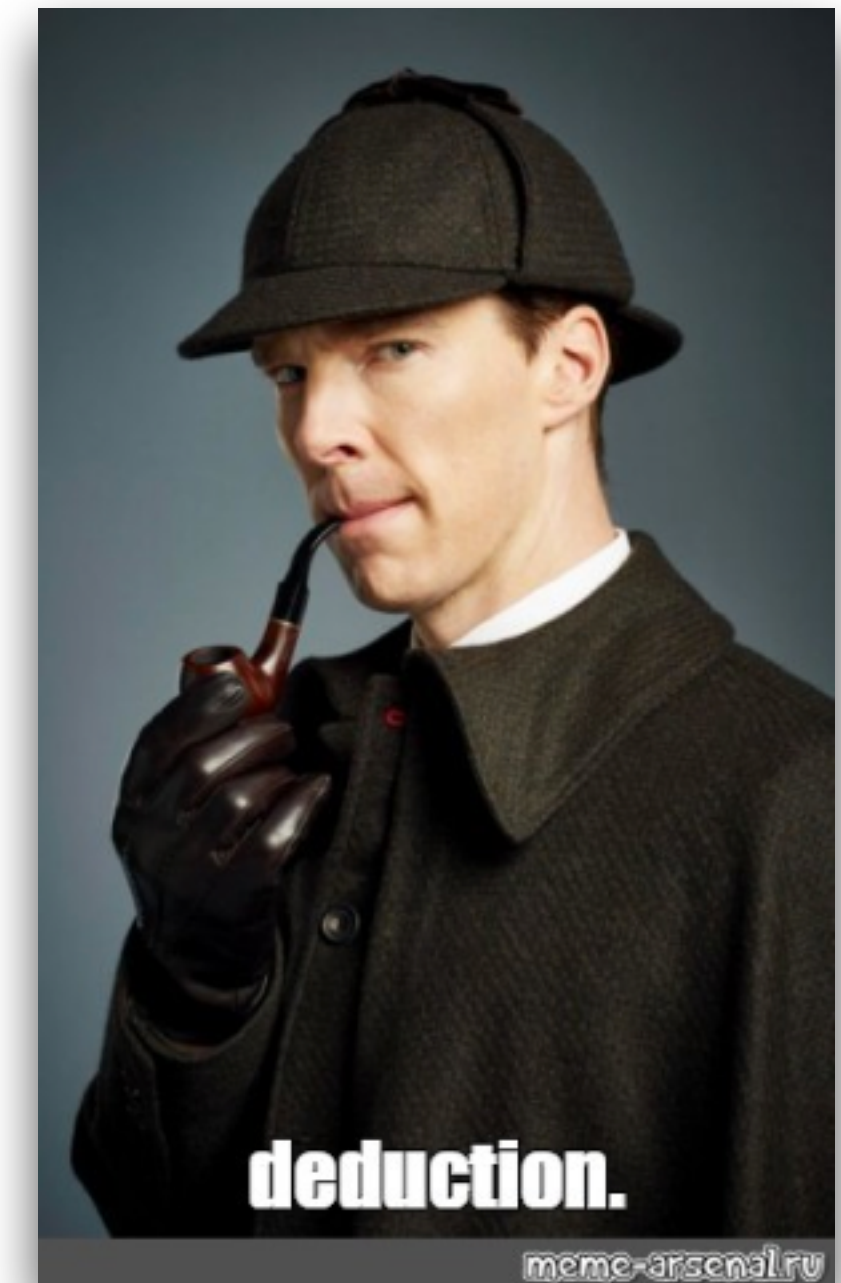
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