## Commonsense model of science

## Observation $\rightarrow$ Facts $\rightarrow$ Theories

## **Problems**

- What we see is not necessarily what hits our retina (expectations, cultural background all play a role)
- Observation **presupposes** theory. E.g. I see stars in the sky because of my theory *The theory dependence of observation*

• The conventional model relies on **inductive reasoning.**