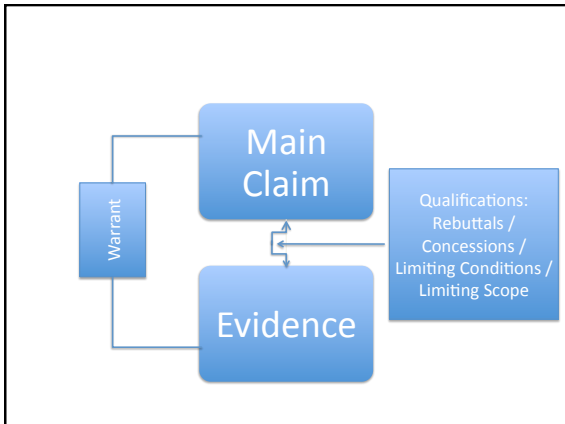


- ### Basis for a Warrant
- Empirical Experience, backed by lots of evidence
    - Certain insecticides weaken the shells of bird eggs
    - Challenge its quality with contrary evidence
  - Authority
    - When X says Y, Y must be so
    - Challenge authority's scope or knowledge; with evidence for the other view

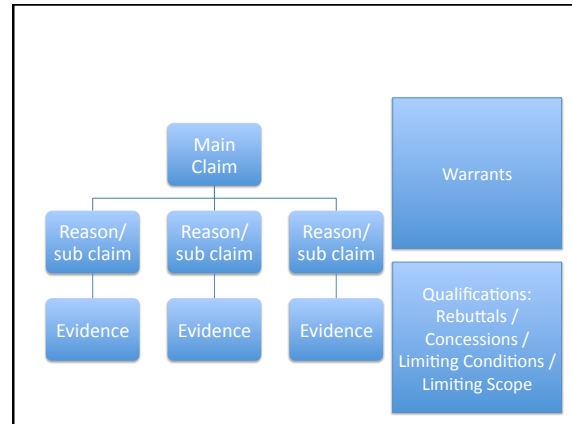
- ### Basis for a Warrant
- Prior systems of knowledge and belief
    - When a creature has feathers, it is a bird
    - Challenge the integrity or applicability of the system
  - General culture ("common knowledge")
    - Early to bed, early to rise, makes you healthy, wealthy and wise
    - Almost impossible to challenge

- ### Basis for a Warrant
- Methodology
    - When X is like Y in some way, X will be like Y in other ways
    - Best to challenge only their application or point out limiting conditions (unless you are a philosopher)
  - Articles of Faith
    - We hold these truths to be self-evident...
    - Requires no evidence and brooks no challenge



## Qualifications

- Address objections (how many can you come up with?!)
  - Concede what you cannot rebut
  - Stipulate limiting conditions
  - Limit scope or certainty of your claim & evidence => nuance



## Dangers

Inappropriate evidence

Comfortable simplicity

Argument diagrams DO NOT answer the question "is this research"

