

1 | Experiment Design

1.0.1 | Mechanistic Understanding

- Once data has been collected, it is important that one tries to get a mechanistic understanding.
 - This means more why this pattern is occurring. ### Data vs Theory
- Evidence is very different from theory.
 - Evidence may describe a pattern, but as soon as any theory or interpretation is applied it
 - One of De's mentors called this religion vs evidence
 - Example: He takes a survey that has us all saying that we feel relatively safe, but we don't feel calm and we feel stressed out
 - With this data you can draw two conclusions
 - We are in a world where we are stressed
 - We are a world where we aren't stressed
 - There has to be one or the other
 - The evidence supports the first one, but one cannot prove anything
- The pattern is an extrapolation of the data
 - It's considered religion