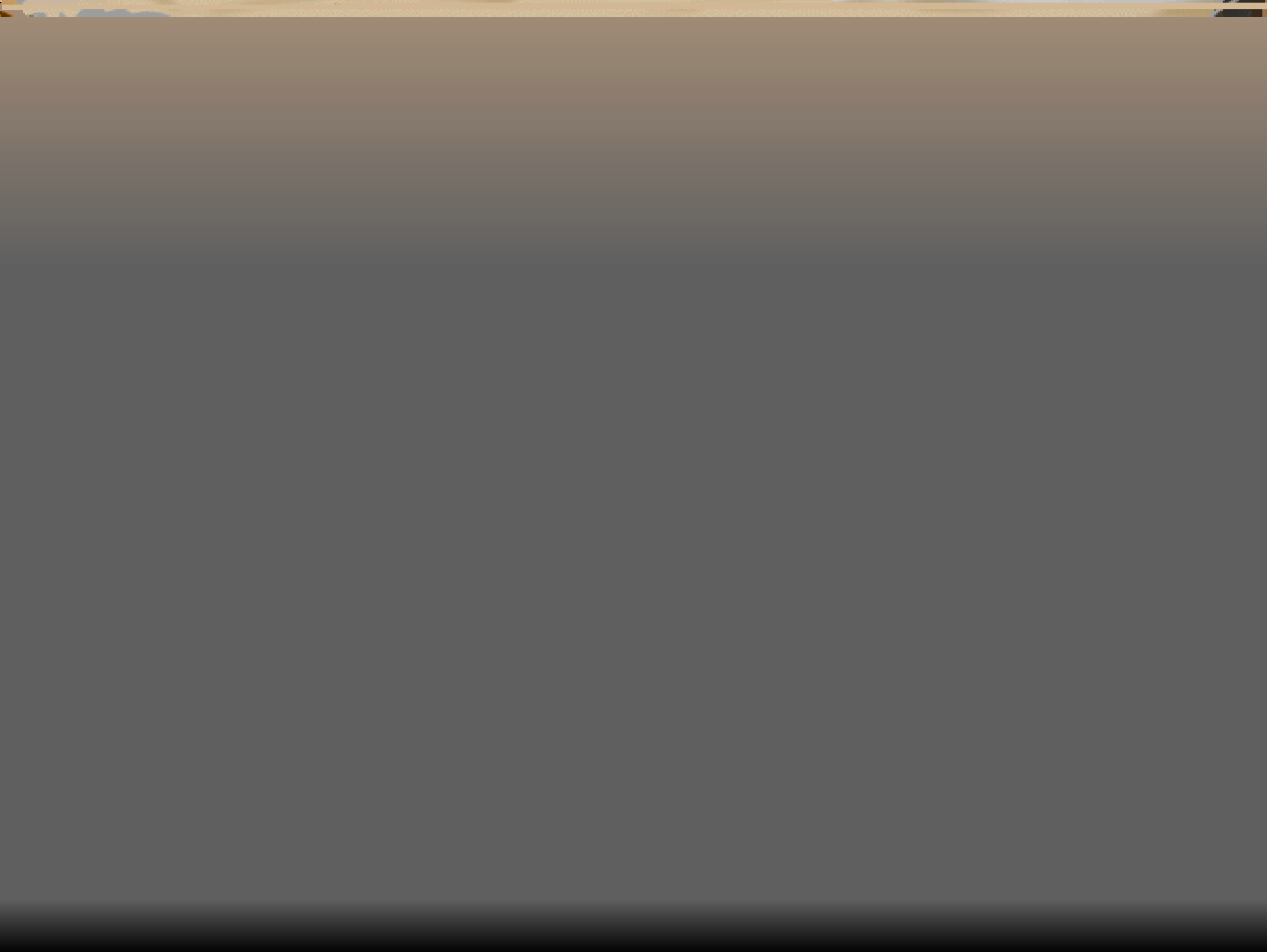


ISP Week 12-13







Ch 14. Describing Relationships: Scatterplot and Correlation

What's ahead?

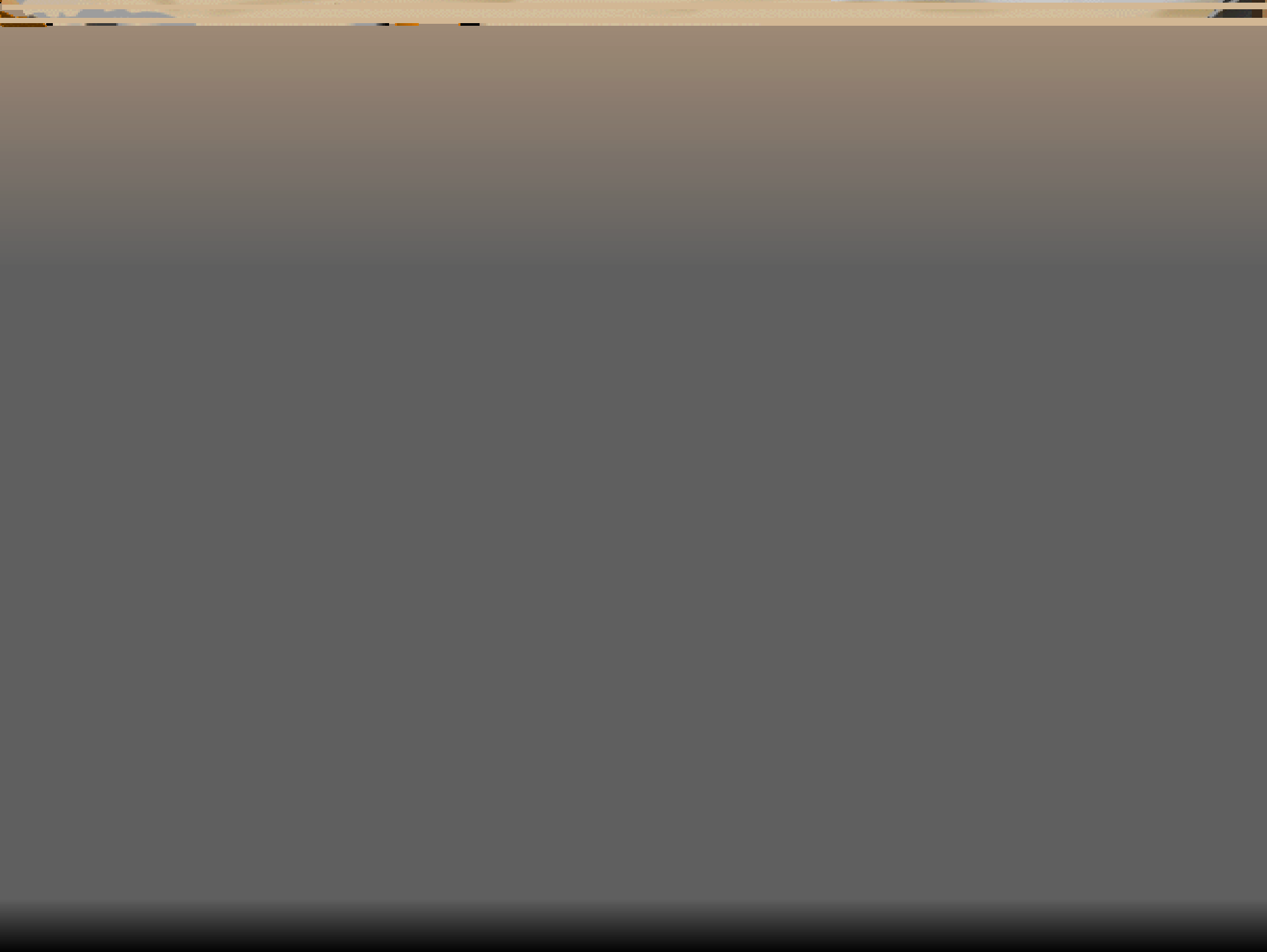
Example: Ranking the states

Principle: Plot, Numerical summary; Patterns and deviation; simple summary

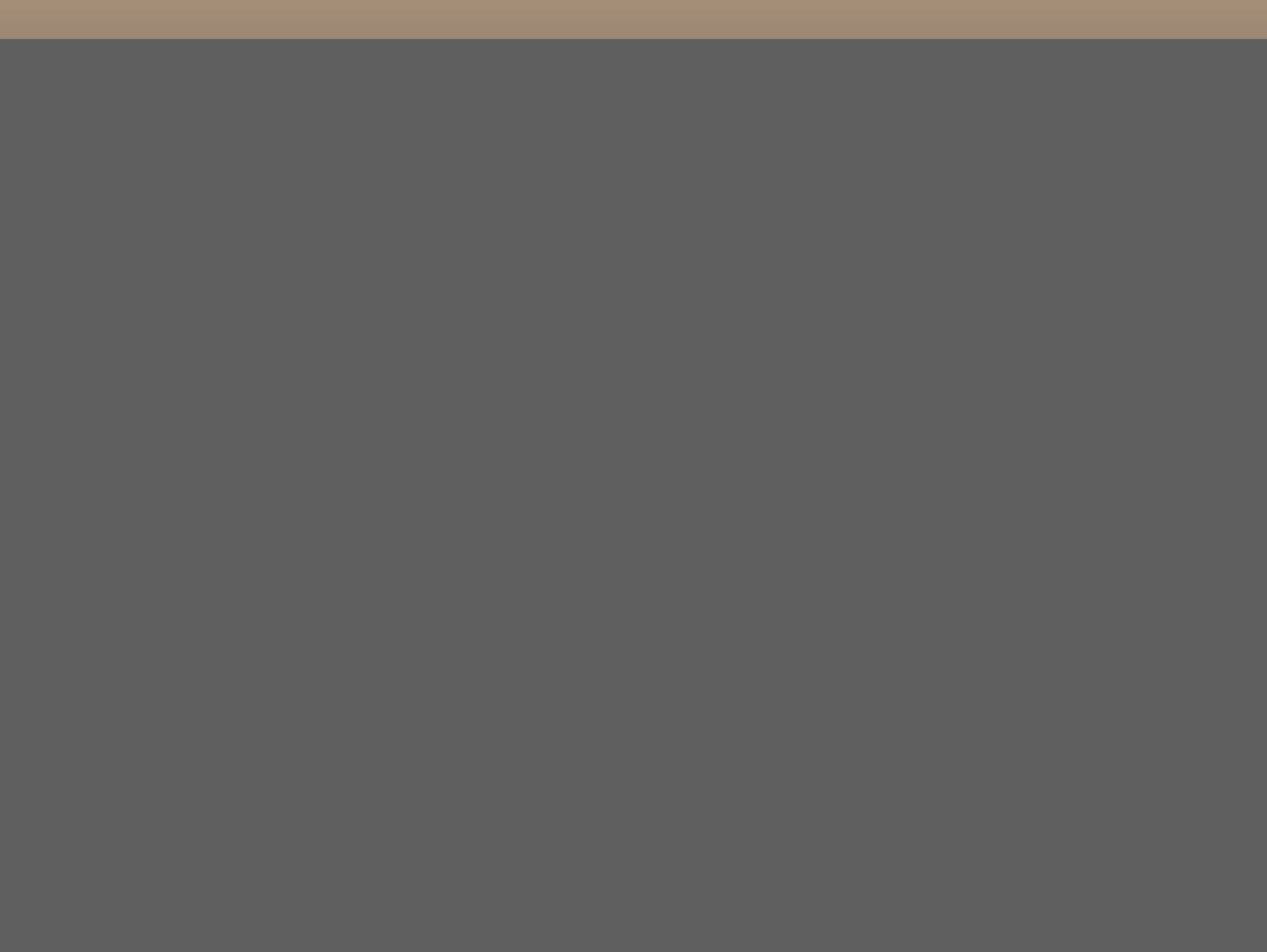
Scatterplot

- Weight and height
- Grade and study hours.











Causality

Strong relation between two variables is not necessarily causation relation

Beware of lurking variable

Best evidence: randomized comparative experiments

Ch 17. Thinking about chance

Chance is a slippery subject

Expectation and probability

The price is right?

Probability is a precise description of uncertainty/randomness.