

An alternative approach to  
testing for a linear association

The **Analysis of Variance**  
(ANOVA) Table

# Translating a research question into a statistical procedure

- Is there a (linear) relationship between skin cancer mortality and latitude?
  - How ??
  - Also, the (analysis of variance)  $F$ -test
- Is there a (linear) relationship between height and grade point average?
  - How ??
  - Also, the (analysis of variance)  $F$ -test

# Where does this topic fit in?

- Model formulation
- Model estimation
- Model evaluation
- **Model use**