1. Correlation.

2. The role of models in statistics.

3. Predicting the height of a student in statistics class. (Investigation 4.8a-f)

4. Statistical models.

\[
\text{Observation} = \text{Model} + \text{Error} \quad \text{Observation} = \text{Fitted} + \text{Residual}
\]

5. Mean models: \[ y = \mu + \varepsilon \]