1 Administrivia

Announcements

Collect homework.

Assignment

Read 2.1. Online quiz.


From Last Time

Least Squares.

2 Introduction

1. Given a least squares line, how can we judge the appropriateness of our model?

   Can we actually use the model to make predictions?

2. Standard deviation measures the spread of a set of values from the average value.
Idea: Look at the standard deviation of the residuals.

95% of residuals will fall between two standard deviations of the residuals.

3. Use these to produce error bounds.

3 Example: Hiro’s Data

1. Model: $y = -4.69x + 33.12$, where $x$ is average March temperature and $y$ is days in April until first blossom.


3. Produce the error bounds. Use in making predictions: plus or minus six days.

4 Class Exercise

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