### Stat 101: Lecture 2

#### Data

- Information
- Context is important

<table>
<thead>
<tr>
<th>Individual cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Each row of a data table</td>
</tr>
<tr>
<td>Respondents</td>
</tr>
<tr>
<td>Subjects</td>
</tr>
<tr>
<td>Participants</td>
</tr>
<tr>
<td>Experimental units</td>
</tr>
<tr>
<td>U.S. Senators in 1999.</td>
</tr>
</tbody>
</table>
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What?
• Variables
  – Categorical variable
    • State
  – Quantitative variable
    • Degree of conservatism
    • Percent of vote

Why?
• On February 12, 1999 the U.S. Senate voted on whether to remove a President (Clinton) based on articles of impeachment. Why did senators vote the way they did?

When? Where? How?
• The data are available at
  www.amstat.org/publications/jse/datasets/impeach.dat
• A description of the when, where and how is given at
  www.amstat.org/publications/jse/datasets/impeach.txt