Chapter 6

# Try It Yourself: Estimation From Different Sampling Methods

## Excel Instructions

Calculate Statistics for Simple Random Sample:

1. Open the **student\_socialmedia\_srs.csv** file in Excel.
2. Highlight columns A and B (including column headers)
3. In the “Insert” tab.
   1. Click “PivotTable”
   2. Click “OK”
4. In the PivotTable sheet in Pivot Table Fields
   1. Drag class to the “Rows” box
   2. Drag social\_media to the “Values” box
      1. Click the dropdown next to “Sum of social\_media”
      2. Click “Value Field Settings…”
      3. Select “Average”
      4. Click “OK”
   3. Drag social\_media to the “Values” box (for a second time)
      1. Click the dropdown next to “Sum of social\_media”
      2. Click “Value Field Settings…”
      3. Select “Count”
      4. Click “OK”

Calculate Statistics for Stratified Random Sample:

1. Open the student\_socialmedia\_strat.csv file in Excel.
2. Highlight columns A and B (including column headers)
3. In the “Insert” tab.
   1. Click “PivotTable”
   2. Click “OK”
4. In the PivotTable sheet in Pivot Table Fields
   1. Drag class to the “R ows” box
   2. Drag social\_media to the “Values” box
      1. Click the dropdown next to “Sum of social\_media”
      2. Click “Value Field Settings…”
      3. Select “Average”
      4. Click “OK”
   3. Drag social\_media to the “Values” box (for a second time)
      1. Click the dropdown next to “Sum of social\_media”
      2. Click “Value Field Settings…”
      3. Select “Count”
      4. Click “OK”

Calculate Statistics for Balanced Stratified Random Sample:

1. Open the student\_socialmedia\_bal\_strat.csv file in Excel.
2. Highlight columns A and B (including column headers)
3. In the “Insert” tab.
   1. Click “PivotTable”
   2. Click “OK”
4. In the PivotTable sheet in Pivot Table Fields
   1. Drag class to the “R ows” box
   2. Drag social\_media to the “Values” box
      1. Click the dropdown next to “Sum of social\_media ”
      2. Click “Value Field Settings…”
      3. Select “Average”
      4. Click “OK”
   3. Drag social\_media to the “Values” box (for a second time)
      1. Click the dropdown next to “Sum of social\_media ”
      2. Click “Value Field Settings…”
      3. Select “Count”
      4. Click “OK”