

*Workshop Statistics, Discovery with Data*, Third edition (Key College Publishing, 2008)  
Java Applets

**Unit 1: Collecting Data and Drawing Conclusions**

*Topic 1: Data and Variables*

No java applets are needed for this topic.

*Topic 2: Data and Distributions*

No java applets are needed for this topic.

*Topic 3: Drawing Conclusions from Studies*

No java applets are needed for this topic.

*Topic 4: Random Sampling*

Activity 4-3: The `Sampling Words` applet can be run by going into the `GettysburgSample` folder and opening the file `GettysburgSample.html`.

Activity 4-4: The `Sampling Words` applet can be run by going into the `GettysburgSample` folder and opening the file `GettysburgSample.html`.

Activity 4-8: The `Sampling Words` applet can be run by going into the `GettysburgSample` folder and opening the file `GettysburgSample.html`.

*Topic 5: Designing Experiments*

Activity 5-3: The `Randomization of Subjects` applet can be run by going into the `Subjects` folder and opening the file `Sub.html`.

**Unit 2: Summarizing Data**

*Topic 6: Two-Way Tables*

No java applets are needed for this topic.

*Topic 7: Displaying and Describing Distributions*

No java applets are needed for this topic.

*Topic 8: Measures of Center*

No java applets are needed for this topic.

*Topic 9: Measures of Spread*

Activity 9-15: The `Sampling Words` applet can be run by going into the `GettysburgSample` folder and opening the file `GettysburgSample.html`.

*Topic 10: More Summary Measures and Graphs*

No java applets are needed for this topic.

**Unit 3: Randomness in Data**

*Topic 11: Probability*

Activity 11-1: The `Random Babies` applet can be run by going into the `RandomBabies` folder and opening the file `Babies.html`.

Activity 11-2: The `Random Babies` applet can be run by going into the `RandomBabies` folder and opening the file `Babies.html`.

*Topic 12: Normal Distributions*

Activity 12-2: The Normal Probability Calculator applet can be run by going into the NormalCalcs folder and opening the file NormalCalculations.html.

*Topic 13: Sampling Distributions: Proportions*

Activity 13-2: The Reese's Pieces applet can be run by going into the Reeses folder and opening the file ReesesPieces.html.

*Topic 14: Sampling Distributions: Means*

Activity 14-2: The Sampling Pennies applet can be run by going into the folder SampleData and opening the file SampleData.html.

Activity 14-6: The Sampling Words applet can be run by going into the GettysburgSample folder and opening the file GettysburgSample.html.

*Topic 15: Central Limit Theorem*

Activity 15-5: The Normal Probability Calculator applet can be run by going into the NormalCalcs folder and opening the file NormalCalculations.html.

**Unit 4: Inference from Data: Principles**

*Topic 16: Confidence Intervals: Proportions*

Activity 16-4: The Simulating Confidence Intervals applet can be run by going into the Confsim folder and opening the file Confsim.html.

Activity 16-22: The Simulating Confidence Intervals applet can be run by going into the Confsim folder and opening the file Confsim.html.

*Topic 17: Tests of Significance: Proportions*

Activity 17-2: The Test of Significance Calculator applet can be run by going into the TOSCalculations folder and opening the file TOSCalculations.html.

*Topic 18: More Inference Considerations*

Activity 18-5: The Power Simulation applet can be run by going into the Power folder and opening the file power.html.

Activity 18-16: The Power Simulation applet can be run by going into the Power folder and opening the file power.html.

Activity 18-17: The Power Simulation applet can be run by going into the Power folder and opening the file power.html.

Activity 18-18: The Power Simulation applet can be run by going into the Power folder and opening the file power.html.

*Topic 19: Confidence Intervals: Means*

Activity 19-1: The Simulating Confidence Intervals applet can be run by going into the Confsim folder and opening the file Confsim.html.

*Topic 20: Tests of Significance: Means*

Activity 20-1: The **Test of Significance Calculator** applet can be run by going into the **TOSCalculations** folder and opening the file **TOSCalculations.html**.

### **Unit 5: Inference from Data: Comparisons**

*Topic 21: Comparing Two Proportions*

Activity 21-1: The **Friendly Observer Simulation** applet can be run by going into the **Friendly** folder and opening the file **friendly.html**.

Activity 21-2: The **Test of Significance Calculator** applet can be run by going into the **TOSCalculations** folder and opening the file **TOSCalculations.html**.

Activity 21-8: The **Two-Way Table Simulation** applet can be run by going into the **Friendly1** folder and opening the file **friendly1.html**.

*Topic 22: Comparing Two Proportions*

Activity 22-1: The **Test of Significance Calculator** applet can be run by going into the **TOSCalculations** folder and opening the file **TOSCalculations.html**.

### **Unit 6: Inferences with Categorical Data**

No java applets are needed for this unit.

### **Unit 7: Relationships in Data**

*Topic 26: Graphical Displays of Association*

No java applets are needed for this topic.

*Topic 27: Correlation Coefficient*

Activity 27-4: The **Guess the Correlation** applet can be run by going into the **GuessCorrelation** folder and opening the file **GuessCorrelation.html**.

*Topic 28: Least Squares Regression*

Activity 28-1: The **Least Squares Regression** applet can be run by going into the **Reg** folder and opening the file **index.html**.

*Topic 29: Inference for Correlation and Regression*

Activity 29-1: The **Sampling Regression Lines** applet can be run by going into the **regcoeff** folder and opening the file **regcoeff.html**.

Activity 29-8: The **Sampling Regression Lines** applet can be run by going into the **regcoeff** folder and opening the file **regcoeff.html**.