edX

Courseware   **Course Info**   **Discussion**   **Syllabus**   **Download R and RStudio**   **R Tutorials**   **Readings**   **Contact Us**

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Pre-Labs & Labs

Each week includes an instructional component, R tutorial videos, a Pre-Lab, a Lab, and a Problem Set exercise to give you an opportunity to see statistics in action and to help you learn how to apply the statistics to answer a real world question.

Before each Lab, there will be a Pre-Lab that offers guided instruction processes to help you answer the questions. Each Pre-Lab and Lab set will have you ask similar questions about the same set of data. You will (1) Reflect on the Question, (2) Analyze the Data, and (3) Draw Conclusions.

Reflect on the Question   Analyze the Data   Draw Conclusions

The **Reflect on the Question** sections always begin by examining the question to see what it's really asking.   In the Pre-Labs, you will examine the variables of interest and correctly categorize them as well as answer a few questions about the method you will use in Lab. In this section of the Labs, you will answer more specific questions about the method you're using.

| Reflect on the Question | Analyze the Data | Draw Conclusions |

Help

In **Analyze the Data**, you will learn how to apply the correct statistical tool to help answer the question as well as how to run a script and interpret your results. In the Pre-Labs, this section will be covered over two learning sequence units on the horizontal navigation bar ("Prepare for the Analysis" and "Conduct the Analysis") while only one sequence unit will be used in the Labs ("Analyze the Data").

| Reflect on the Question | Analyze the Data | Draw Conclusions |

Draw Conclusions allows you to summarize your findings to give meaning and relevance to your results. In this final section, you are asked to write an answer to the lab question, using the results of your analysis as support. You will use the template we've provided and just fill in the blanks.

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