 Lagunita is retiring and will shut down at 12 noon Pacific Time on March 31, 2020. A few courses may be open for self-enrollment for a limited time. We will continue to offer courses on other online learning platforms; visit <http://online.stanford.edu>.

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StatTutor Lab: Monthly Premiums of Auto Insurance

StatTutor is a learning tool that provides you with a data analysis problem, supports you as you attempt to solve it, and gives you hints and feedback along the way. It assumes that the relevant data set is open in the background.

One of the main ideas behind StatTutor is to demonstrate that when solving data analysis problems we always go through the same set of steps. Those steps are shown on the left side of StatTutor, and you will click on them in sequence as you progress through the lab. Clicking on each step will cause a new worksheet to appear for you to complete.

The Data tab in StatTutor has a pull-down menu to download the dataset for this StatTutor lab. Using the pull-down menu, select the statistics package you are using in your class and click the "Download" button. Then find the downloaded file and double-click it to open it if you're using R, StatCrunch, Minitab, or Excel, or transfer it to your calculator if you're using the TI Calculator.

Note that you must provide a correct answer to all questions in a given step or provide a written response before being able to proceed. The system will bounce you back to a page that does not have all the questions correct or is missing an answer.



WORK PLAN

- ☐ Understand the Problem
- ☐ Question 1
- ☐ Question 2
- ☐ Summarize

Problem
Questions
Variables
Data
? About

Monthly Premiums of Auto Insurance

It is very unlikely that two drivers who have the same auto insurance with the same insurance company will have the same monthly premium since there are many factors (other than the type of insurance) that are taken into account when the monthly premium is calculated.

In this exercise we will explore some of those factors by analyzing data that were collected from a random sample of 50 drivers insured with a certain company and having similar auto insurance coverage. For each driver the monthly premium was recorded along with other relevant information such as gender, age, driving experience, history of auto accidents, model and age of the car. Note that the data set for this exercise contains only a subset

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If you get stuck along the way, you can ask for hints by clicking on the hint button below.

To begin:

- Read the Problem description at the top of the screen to find out the context of this StatTutor exercise.
- Click the Questions tab and take a look at the questions you are going to answer.
- Click the Variables tab to see the variables in this study.
- Click the Data tab to download the dataset and preview the data.

?
Hint

◀ Previous
Next ▶



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