

 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: Analyzing Data From a Course's Grade Book

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
- ☐ Question 3
- ☐ Summarize

Problem
Questions
Variables
Data
About

Analyzing Data From a Course's Grade Book

At the end of the semester, an "Introduction to Statistics" instructor wanted to gain insight into his students' performance by analyzing gradebook data. The instructor taught 3 large lecture sections offered at different times during the day. Since each section, depending on the time it was taught, attracted different types of students (in terms of major, age, full-time/part-time, etc.) the instructor chose a random sample of 35 students from each section to insure proper representation.

Click the [Questions](#) tab to see the questions about this problem that we will try to answer, the [Variables](#) tab to

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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.

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