 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>.

Course > Producing Data: Designing Studies > Designing Studies Summary > StatTutor Lab: Treating Depression: A Randomized Clinical Trial

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## StatTutor Lab: Treating Depression: A Randomized Clinical Trial

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.



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

Problem Questions Variables Data About

### Treating Depression: A Randomized Clinical Trial

**Background:** Clinical depression is a recurrent illness requiring treatment and often hospitalization. Nearly 50% of people who have an episode of major depression will have a recurrence within 2-3 years. Being able to prevent the recurrence of depression in people who are at risk for the disease would go a long way to alleviate the pain and suffering of patients and would also save society many thousands of dollars in medical expenses and lost wages due to an inability to work.

**The Study:** During the 1980's the federal government, through the National Institutes of Health (NIH), sponsored a multi-centered, randomized, controlled, clinical trial to evaluate two drugs to prevent the recurrence of depression.

#### Welcome to StatTutor!

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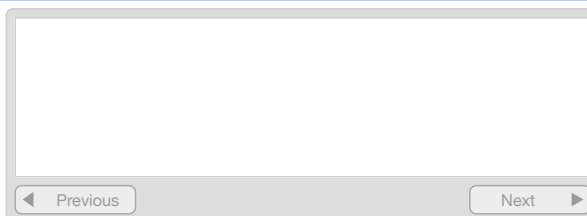
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If you get stuck along the way, you can ask for hints by clicking on the hint button below.

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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