**Tukey's comments on EDA**

Even though you probably have not read Tukey's book, I suspect you already have a good idea about his viewpoint from the video introducing you to exploratory data analysis. Which of the following quotes is **not** directly from Tukey?

**Answer the question**

**50 XP**

**Possible Answers**

Exploratory data analysis is detective work.

press1

There is no excuse for failing to plot and look.

press2

The greatest value of a picture is that it forces us to notice what we never expected to see.

press3

It is important to understand what you *can do* before you learn how to measure how *well* you seem to have *done* it.

press4

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Often times EDA is too time consuming, so it is better to jump right in and do your hypothesis tests.

press5

You're right. That statement is pretty absurd. If you don't have time to do EDA, you really don't have time to do hypothesis tests. And you should always do EDA first.

**Advantages of graphical EDA**

Which of the following is *not* true of graphical EDA?

**Answer the question**

**50 XP**

**Possible Answers**

It often involves converting tabular data into graphical form.

press1

If done well, graphical representations can allow for more rapid interpretation of data.

press2

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A nice looking plot is always the end goal of a statistical analysis.

press3

There is no excuse for neglecting to do graphical EDA.

press4

Correct! While a good, informative plot *can* sometimes be the end point of an analysis, it is more like a beginning: it helps guide you in the quantitative statistical analyses that come next.