**Transcript: Adding Axis Labels and Titles in R Commander**

In this video, we're going to talk about how to add access labels and titles to graphs in R Commander. We're going to first recreate one of the graphs that we went over in a previous video, which is a scatter plot. We'll go to “Graphs” and “Scatter plot...” and select our variables here. So, we looked at dollars spent on public education and SAT math scores.

In order to add access labels and graph titles, we need to go into “Options”. You may have noticed previously that our axis labels were just the names of the variables, which is good if you're familiar with the data set, but if you're not, it can be confusing because, you know, what does “dollars” mean? What is “SATM”? It's always better to have informative titles so that someone who isn't familiar with your data set can look at your visualization and get a general sense of what's going on.

What we're going to do here first, is change the x-axis label. If you remember from when we selected our variable, we used spending on public education in thousands of dollars per student per year. So, we can go ahead and delete the “<auto>” there and we can say something like... my R Commander is being a little slow today. It happens sometimes. And we'll give units. So there I've typed in “Education Expenditures” and then in parentheses the units, “thousands of $ per students per year”.

And on the y-axis, I'm going to put the variable description in here, so it's “SAT Math Scores”. And maybe I'll put “Average” in there just to make it clear that this is the average SAT math score within the state.

And then lastly, my graph title should be something descriptive, describing the relationship that we're looking at so “Education Expenditures and SAT Math Scores by State”. If you look down here, there's also some other things we could change, such as the size of the text, where the legend is, and so forth. In this case, we don't have a legend, but if you were making a plot with a legend that might be helpful. We're not going to work with any of these today, we're just going to look at the axis labels and graph title.

Once we click “OK” we will get this graph window. And we can see that we've got our title and our axis labels, and this is a much cleaner, nicer looking graph than the one that we used previously. This is what you would want to do if you were including a graph and an assignment or a research project or something like that.

So that's how you add or change the titles of the axes and the title of the graph in R Commander.