



TI-Nspire™ Software Script

Linking a collected data run to a new application (Tutorial F2)

http://www.atomiclearning.com/k12/en/movie/40768/play_window?type=Tutorial&sid=1674

[00:00:00.00]

You can link data you've already collected in a new application. First, I'll collect some data by plugging in my sensor - in

[00:00:08.00]

this case, the Go Temp Temperature sensor - into my computer's USB port. I'll see the AutoLaunch window open. I'd like

[00:00:19.00]

to start with the Graphs and Geometry application, so I'll click to select it, and then click OK. To begin data collection,

[00:00:28.00]

I'll click the Start Data Collection icon in the Data Collection Console. This will begin taking measurements and adding

[00:00:36.00]

data points. Once I'm done collecting data, I'll click the button again, which will stop collecting the data. Now that I've

[00:00:46.00]

collected the data in Graphs and Geometry, I'd like to see the data represented in a different way on a new page.

[00:00:53.00]

To do this, I'll make sure that the data collection console is active, and then I'll click Experiment. Then roll over

[00:01:00.00]

Display Data In, and then I'll choose New Lists and Spreadsheet. This will open a new page in this problem with the Lists

[00:01:10.00]

and Spreadsheet application in it. As you can see, the spreadsheet has already been formatted appropriately with list names,

[00:01:16.00]

and my data is displayed in the lists. I could easily link my data to the other applications shown in the Display

[00:01:23.00]

Data In menu to see my data represented in other ways. If I wanted to see multiple representations of data on the

[00:01:31.00]

same screen, I would need to set up a customized data collection. A similar technique allows you to manually set up a data

[00:01:40.00]

collection workspace. If you were plugging in a sensor for the first time and see the AutoLaunch window, you'll

[00:01:47.00]

want to select Lists and Spreadsheet. If you already have data on the screen, we will erase the old data and create

[00:01:55.00]

a new experiment by making sure the data collection console was active and clicking Experiment, followed by New Experiment.

[00:02:04.00]

This will bring up the Unsaved Data dialog box and here you have two options. You can either cancel, then save

[00:02:12.00]

your data and create a new problem; or choose to discard any unsaved data. In this case, I'll erase my old data by

[00:02:23.00]

choosing Discard. Now I'm going to create a customized page by clicking Page Layout, and I'll choose Page Layout4.

[00:02:33.00]

I'll click on the lower right application. Then select Add Graphs and Geometry. I'll click on the lower left work

[00:02:41.00]

area, and then select Add Notes. Now that my page is formatted the way I want it to be, I'll click on the data collection

[00:02:51.00]

console to make it active. Remember that right now, only the Lists and Spreadsheet application is connected to the



TI-Nspire™ Software Script

[00:02:58.00]

data collection console. If we were to begin an experiment right now, Graphs and Geometry would not be linked to the

[00:03:05.00]

tool. To do this, click on Experiment, Display Data In. Here, you can see that I can either link the data collection

[00:03:14.00]

console to any available application that works with the tool, or use a new application that's not yet created. In

[00:03:21.00]

this case, I want to link it to both my new Graphs and Geometry application and my existing Lists and Spreadsheet

[00:03:29.00]

application. So I'll choose Apps on Current Page. Notice that now the axes in my graph and the headers in columns

[00:03:39.00]

A and B in both applications are appropriately formatted. I have now manually set up a data collection workspace,

[00:03:47.00]

and I'm ready to begin an experiment.

[00:03:51.00]