

Making Boxplot Graphs:

Click on Graphs in the top menu bar of the Data View window. From the drop down menu select Boxplot...>>>

Select Clustered from the Boxplot dialog box then click Define. *Note: I left the default radio button checked (Summaries for group cases).*

	Boxplot 🔀
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	Data in Chart Are Summaries for groups of cases Summaries of separate variables

In the Define Clustered Boxplot dialog box move (Plant Growth) into the Variable: box, Light into the Category Axis: box and Fertilizer into the Define Clusters by: box. Click on the Options button and in that dialog box check Display groups defined by missing values then click Continue.

Define Clustered Boxplot: Summaries for Groups of C.	ises 🔀	Options	
Variable: Penindli Plant Growth [PlantGrow Physics: Plant Growth [PlantGrow Plant Growth [PlantGrow Plant Growth [PlantGrow Generative Panel by: Panel by: Panel by: Panel by: Nest variables (no empty Columns: Nest variables (no empty)	h] OK Paste Reset Cancel Help Options	Missing Values ● Exclude cases listwise ● Exclude cases variable by variable ✓ Display groups defined by missing values ● Display groups defined by missing values ● Display error bars Error Bars Represent ● Confidence intervals Level (%): ● Standard error Multiplier: ● Standard deviation Multiplier:	Continue Cencel Help

Clustered boxplot graphs show an interaction between the light and fertilizer treatments in their effect on plant growth (N. Clifford and G. Valentine p. 332).



I found several on-line tutorials for how to use SPSS. One in particular, Texas A&M University, has a video clip library that anyone can access (Texas A&M University, SPSS Tutorials).

Works Cited

- Clifford, Nicholas J., and Gill Valentine. <u>Key Methods in</u> Geography. London: Sage Publications, Ltd., 2004.
- McGrew, J. Chapman, and Charles B. Monroe. An Introduction

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