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## SOC 283 Lab Handout for Confidence Interval (Homework 9)

With your cleaned SPSS data file open, click the “analyze” pull down menu, click “descriptives”, “explore”, and your screen will look like the figure below minus the statistics window. Move a variable you’re interested in to the “Dependent list” box. Change the “Display” from “Both” to “Statistics” with a single click. Click on the “Statistics” button and the dialog box is opened. Make sure “Descriptives” is checked (it should be the default), then click continue, and then click “OK”. SPSS will generate an output window like that shown at the bottom of this page.

The screenshot shows the SPSS Data Editor window with the 'Explore' dialog box open. The 'Dependent List' contains 'gpa [v54]'. The 'Display' options are set to 'Statistics'. The 'Explore: Statistics' sub-dialog box is also open, with 'Descriptives' checked and 'Confidence Interval for Mean' set to 95%.

Case #	gpa [v54]	incpar	ne
557	.0	.0	25.0
558	1.0	.0	77.0
559	1.0	.0	22.0
560	2.0	.0	23.0
561	1.0	.0	24.0
562	.0	.0	23.0
563	2.0	.0	77.0
564	.0	.0	77.0
565	1.0	.0	23.0
566	2.0	.0	77.0
567	2.0	.0	22.0

The output shown here is cleaned; i.e., I already removed the “log” and “case processing summary”. The rest you know. In the right hand pane, double click on the word **EXPLORE**. Type in your name, then look in the left window pane of the output window. Click on the word explore, making sure it and the section under it are highlighted. Do file, print, while explore is highlighted, and you are done.

The screenshot shows the SPSS Viewer window displaying the 'Explore' output. The 'Descriptives' table is visible, showing statistics for the variable 'gpa'.

Descriptives		Statistic	Std. Error
gpa	Mean	3.1361	.02252
	95% Confidence Interval for Mean	3.0919	
	Lower Bound		
	Upper Bound	3.1803	
	5% Trimmed Mean	3.1542	
	Median	3.2000	
	Variance	.237	
	Std. Deviation	.48709	
	Minimum	1.00	
	Maximum	4.00	
	Range	2.00	
	Interquartile Range	.0425	
	Skewness	-.484	.113
	Kurtosis	.018	.225