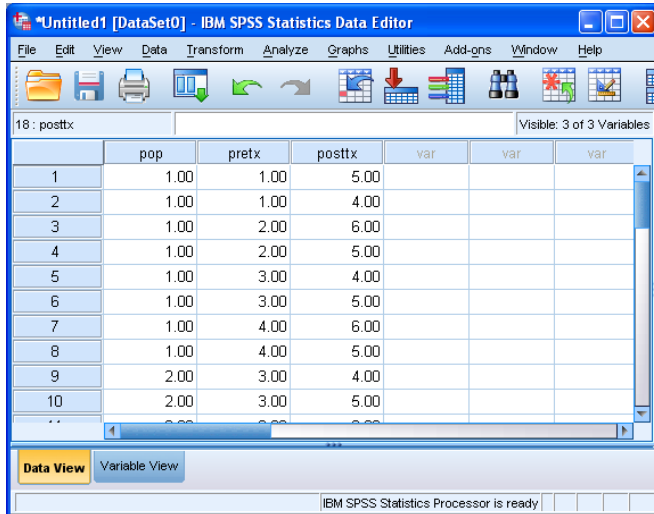


Bar Graphs to go with 2x2 MG ANOVA

Analyze → Graphs → Legacy Dialogs → Bar



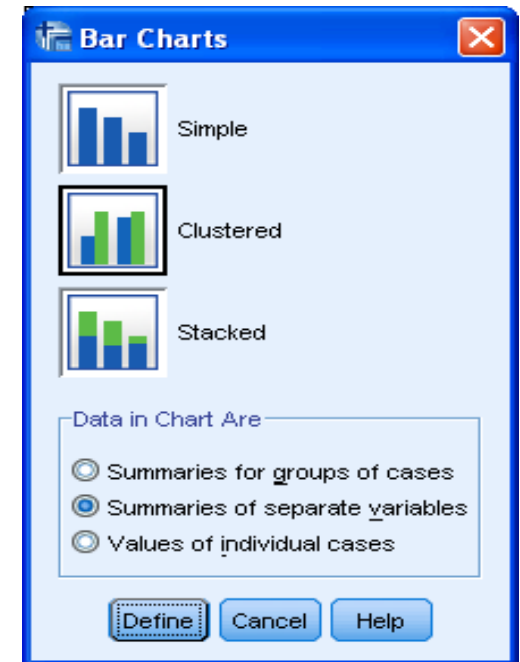
	pop	pretx	posttx	var	var	var
1	1.00	1.00	5.00			
2	1.00	1.00	4.00			
3	1.00	2.00	6.00			
4	1.00	2.00	5.00			
5	1.00	3.00	4.00			
6	1.00	3.00	5.00			
7	1.00	4.00	6.00			
8	1.00	4.00	5.00			
9	2.00	3.00	4.00			
10	2.00	3.00	5.00			

As for the 2x2 MG ANOVA...

- Each quantitative variable (reptgood & fishgood) holds the DV for one of the IV conditions

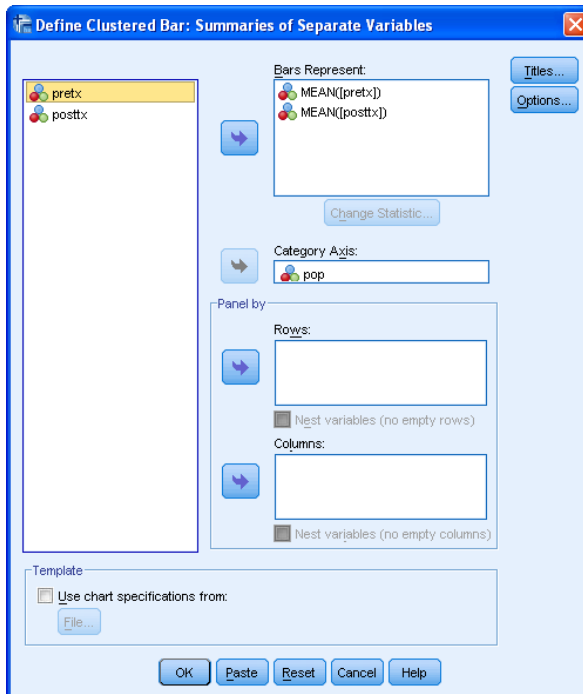
#1 Select type of chart →

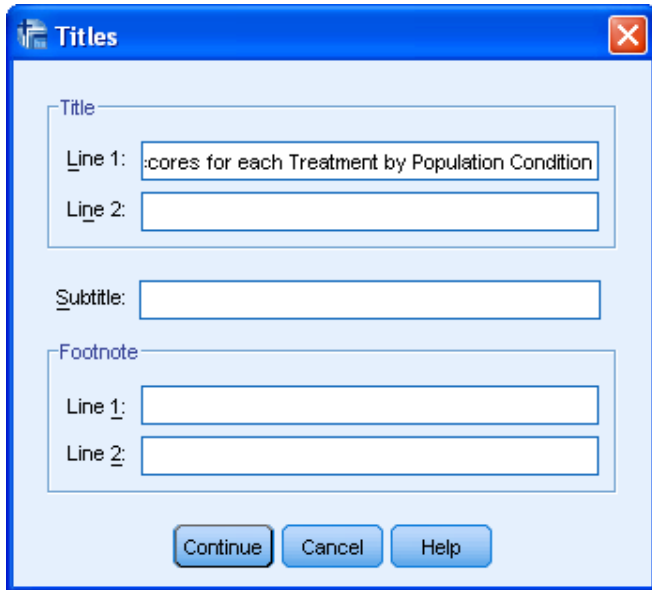
- Click on “Clustered” icon
- Click the “Summaries of separate variables” radio button
- Click “Define”



← #2 Select the Variables

- Put **both** of the variables that hold the DV scores from the wg conditions into the “Bars Represent” window
- Put the BG IV into the “Category Axis” window



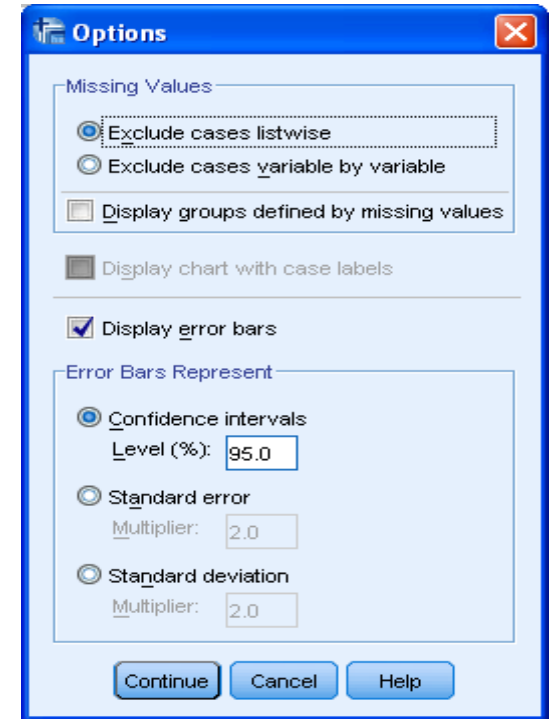


The 'Titles' dialog box in SPSS is shown. It has a 'Title' section with 'Line 1' containing 'cores for each Treatment by Population Condition' and 'Line 2' empty. Below is a 'Subtitle' field, and a 'Footnote' section with 'Line 1' and 'Line 2' both empty. At the bottom are 'Continue', 'Cancel', and 'Help' buttons.

- ← **#3 Write the Title**
- Click on “Titles”
 - Type titles, subtitles & footnotes as desired
 - Click “Continue”

#4 Select the Whiskers →

- Click Options
- Check “Display error bars”
- Check “Standard Error”
- Click Continue



The 'Options' dialog box in SPSS is shown. Under 'Missing Values', 'Exclude cases listwise' is selected. Under 'Error Bars Represent', 'Confidence intervals' is selected with a 'Level (%)' of 95.0. 'Standard error' and 'Standard deviation' are also visible with a multiplier of 2.0. The 'Display error bars' checkbox is checked. At the bottom are 'Continue', 'Cancel', and 'Help' buttons.

#5 Using the graph

Right-click the graph in the SPSS output window and select “Copy” to put the graph into a Word or other file.

