## Describing Longitudinal Data graphically

The Data:

🚰 *Citalopram.sav [DataSet2] - SPSS Data Editor						
File Edit	View Data	Transform Anal	yze Graph	ns Utilities Ado	l-ons Window Help	
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	Name	Туре	Width	Decimals	Label	Values
1	subnum	Numeric	8	0	Patients Unique ID	None
2	druggroup	Numeric	20	5		{1.00000, Placebo}
3	site	Numeric	20	5		None
4	visit	Numeric	20	5		None
5	week	Numeric	20	5		None
6	cdrstot	Numeric	20	5	CDRS Total Score	None
7	hamtot17	Numeric	20	5	HAM total 1-17	None

There are two groups (druggroup) and each subject has 8 visits. Week is the number of weeks since baseline.

Making a line graph:

Step 1 –

Select Graphs>Analyze>Legacy Dialogs>Line

1	🛃 *Citalopram.sav [DataSet2] - SPSS Data Editor								
	File Edit	View Data	Transform Analy	/ze	Graphs	Utilities	Add-	ons Window Help	
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		Name	Туре	V	Intera	active		l ele el	η
ł	1	subnum	Numeric	8	Legat	ty Dialogs	-	bar 3-D Bar	
	2	druggroup	Numeric	20	5			Line	ľ
	3	site	Numeric	20	5			Area	N
1	4	visit	Numeric	20	5			Pie	Ν
ł	5	week	Numeric	20	5			High-Low	N
	6	cdrstot	Numeric	20	5			Boxplot	N
1	7	hamtot17	Numeric	20	5			Error Bar	N
I	8							Population Pyramid	ŀ
	9							Scatter/Dot	ł
	10							Histogram	ł
	11						T		T.
1	12	l							

Step 2 – Select Multiple, then click the define button



## Step 3 –

Put your time variable (weeks) in the Category Axis box. To make separate lines for the two groups, we put druggroup in the Define Lines By box. Last, we select the "Other statistic" button, and move our outcome variable (cdrstot) into the variable box. click OK.

🗖 Define Multiple Line	: Summaries for Groups of Cases	
Patients Unique ID [sul	Lines Represent N of cases Cum. N Cum. N Variable: Variables (no empty rows) Columns: Nest variables (no empty columns)	OK Paste Reset Cancel Help
Template Use chart specifications File	from:	Titles Options

Result:

