Making charts & tables How do I get my Stata output into a Word table?

Fall 2017 Workshop Series Krista Payne, PhD

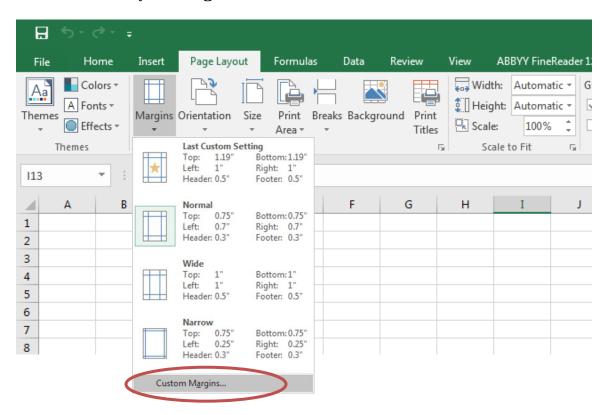
How do I get my Stata Output into a Table?

- 1. **Know your audience-**What type of table do you need to produce?
 - For the prof you work for?
 - For a class paper, conference, or journal?
 - For a conference poster?

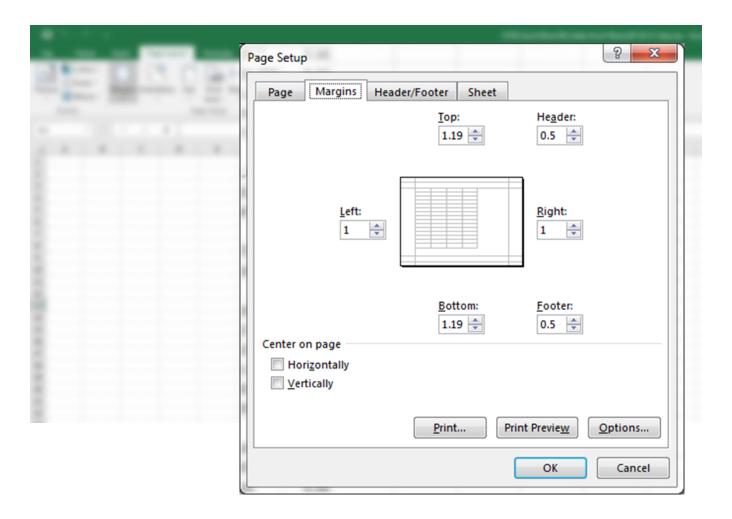
2. Gather your materials:

- Find a <u>recently</u> published article with a <u>similar research design</u> in the <u>journal</u> you will be submitting to.
- If you don't know, go with <u>APA</u> format. <u>https://owl.english.purdue.edu/owl/resource/560/01/</u>
- Open the necessary programs on your computer:
 - o Stata
 - Excel
 - Word

3. Set your margins in Excel



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- 4. Generate tables in Stata—using estimates commands
 - If you look at my Do-file, I have a log started at the top storing what is being displayed in the output window.
 - All output saved in a Stata log files, if saved as an ".sml" file, retains the same "copy" and "copy table" functions as if being copied from the Stata output window.
 - Also notice, I have a header depicting:
 - the file/program name
 - o the specific task
 - o the larger project this specific task is associated with
 - o the author and the date the Do-file was started
 - I'm running logistic regression analyses comprised of five models. After I run each model, I type the command:
 - . estimates store modelN
 - By doing this we are telling Stata to store the results in its working memory, so that we can later tell Stata what to display when we run another command

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```
Do-file Editor - YACores_stat02_NSFH_Analyses_09-18-17_kkp.do
 File Edit View Project Tools
YACores_stat02_NSFH_Analyses_0... × Untitled.do ×
      log using "C:\Users\kristaw\OneDrive - Bowling Green State University\Stata Logs\Workshops\Figures and Tab
 3
     // program: YACores_PAA2017_NSFH_Analyses.do
 4
     // task: Analyses for Paper Submission-Example for CFDR WS
     // project: YACores and Coresatisfaction Comparing Two Cohorts
 5
     // author: Krista Payne \ September 18, 2017
 8
     set more off
 9
10
11
      * Read in Coded Dataset *
12
13
     use "F:\Data\NSFH\YACores\YACores NSFH-Coded 08-15-17 kkp.dta"
14
15
     svyset [pw=weight2]
16
17
18
      *******
19
      * MODEL #1: Zero-Order *
20
      *******
21
      svy, subpop(coresat_apop): regress coresat boomerang_cs
22
     estimates store model1
42
      ***********
43
44
     * MODEL #2: Coresidential History & Circumstnaces *
45
     ***********
46
     err, subpop(coresat_rpop): regress coresat boomerang_cs plnmvout_cs payany_cs
47
    estimates store model2
48
49
50
     ***********
51
     * MODEL #3: Addition of Demographics *
52
53
     sur, subpop(coresat_apon): regress coresat boomerang_cs plnmvout_cs payany_cs age1923 male ib1.ethrace
    estimates store model3
540
55
56
57
58
     * MODEL #4: Addition of Sociodemographics and Heatlh *
59
60
     svy, subpop(coresat_apop); regress coresat boomerang_cs plnmvout_cs payany_cs age1923 male ib1.ethrace go
61
    estimates store model4
62
63
     *******
64
     * MODEL #5: Full *
65
66
67
      svy, subpop(coresat_apop): regress coresat boomerang_cs plnmvout_cs payany_cs age1923 male ib1.ethrace go
68
     estimates store model5
69
```

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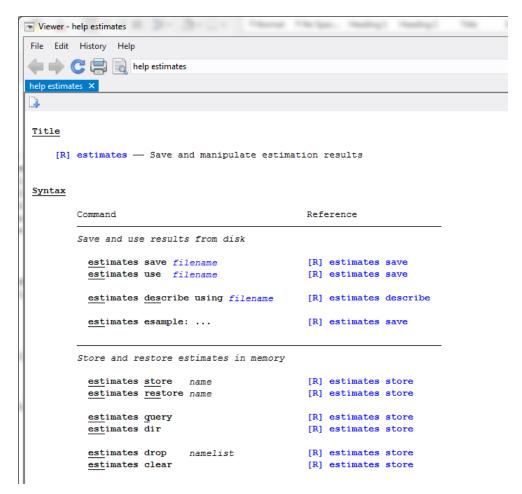
- After running all my models, I can then command Stata to produce the models of my choice together in the form of a simple table, by typing:
 - . estimates table model1 model2 model3 model4 model5

When doing so we get this output...

Variable	 model1	model2	model3	model4	model5
boomerang_cs plnmvout_cs payany_cs age1923 male	38394325 	32289543 42568424 29451219	29467411 4941286 33561217 .02314174 .01879246	36142479 50524127 21573598 .05050027 02130933	34357681 52201004 19835859 .0464386 04100863
ethrace 2. Black 3. Hispanic 4. Other			.3896079 .5645867 57156084	.45061936 .60556757 69895938	.45208932 .61579612 66721316
goodhlth_cs mhealth_cs				.69876912 18117434	.71110143 17903428
edu 1. <h.s. <br="">2. H.S. 3. S.Col. </h.s.>				04948128 05778116 12287664	03471297 05438757 1248107
enrolled curwork ln_indinc_~s				.06616018 00256022 .01462601	.0571787 01759482 .01383715
relstdater~s 1. Single 2. Dating					.06739666 .14322095
dbiokd					10739817
parentcomp 1. Mom, o 2. Dad, o					05301778 19255328
sibagecomp 1: Only) 2: Only) 3: Both)					.03496901 04589592 .07596144
_cons	5.7554709	6.1174281	6.0206667	5.6450508	5.58019

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- For more information on the estimates command and its associated options, type:
 - . help estimates

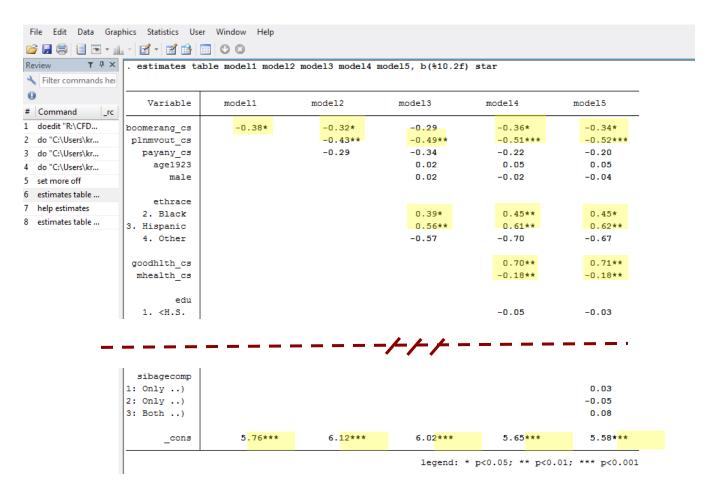


- · Generally I will generate two different tables,
 - One is a guide to help me identify the significant coefficients more quickly, I'll save and print this
 - 2. The other has the standard errors associated with the coefficients, which I use for copying and pasting into Excel.

^{*}Stata cannot generate a table with both stars AND S.E.s.

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- To get the table with the stars, I type:
 - . estimates table model1 model2 model3 model4 model5, b(\$10.2f) star (*Note*: highlighting added by author)



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5. Get Stata table in Excel

- Generate the table with relevant statistics and standard errors by typing
 - . estimates table model1 model2 model3 model4 model5, b(%10.2f) stats(N r2) varlabel allbaselevels se
 - 1. In the Stata output window, select your table
 - 2. Right click, and a selection box will pop-up
 - 3. Choose "Copy table"

#1

. estimates table model1 model2 model3 model4 model5, b(%10.2f) stats(N r2) varlabel allbaselevels se

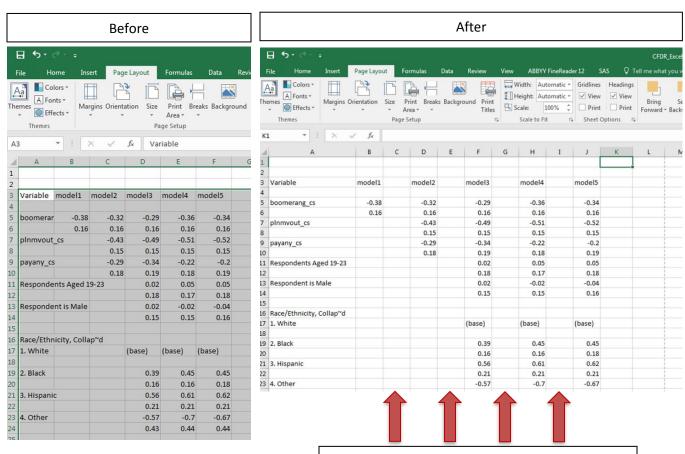
Variable	model1	model2	model3	model4	model5	
boomerang_cs	-0.38	-0.32	-0.29	-0.3	6 -0.34	
	0.16	0.16	0.16	0.1		
plnmvout_cs		-0.43	-0.49	-0.5		
		0.15 -0.29	0.15 -0.34	0.1 -0.2		
payany_cs		0.18	0.19	0.1		_
Respondents Aged 19-23		0.10	0.19	0.1		
			0.18	Co	рру	Ctrl+(
Respondent is Male			0.02		P 7	Cirr
			0.15	#3 Cc	py table	Ctrl+Shift+0
ace/Ethnicity, Collap~d			()\	Co	py table as HTML	Ctrl+Shift+Alt+0
1. White			(base)	Se	lect all	Ctrl+A
2. Black			0.39 0.16	Cl	ear results	
3 Highanic		, , ,	0.56			
		<i> </i>		Pr	eferences	
R's Resident Sibling A~i						
0: No Res Sib(s)				FO	nt	
1: Only Adult Sib(s)				Pr	int	
2: Only Min Sib(s)					-0.05	
					0.21	
3: Both Adult & Min)					0.08	
					0.21	
Constant	5.76 0.10	6.12 0.14	6.02 0.23	5.6 0.3		
	0.10	0.14	0.23	0.3	0.54	
N	13007	13007	13007	1300	7 13007	
r2	0.02	0.05	0.07	0.1	3 0.14	
					legend: b/se	

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6. Paste table into Excel

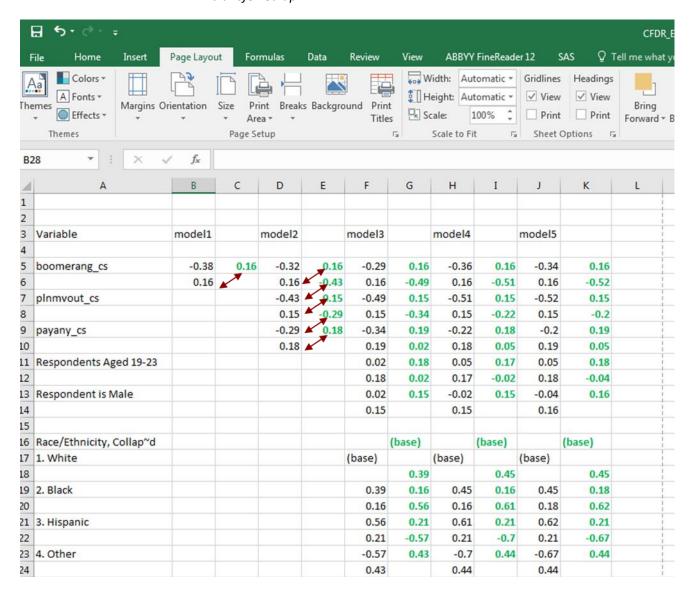
- Paste into Excel (I usually just use Ctrl+v)
- 7. Format...in Excel first (before transferring to Word)
 - Make cells to fit the width of your text (for workability)
 - Change to landscape orientation



Note: I also add a column between each model which I don't discuss until the next page.

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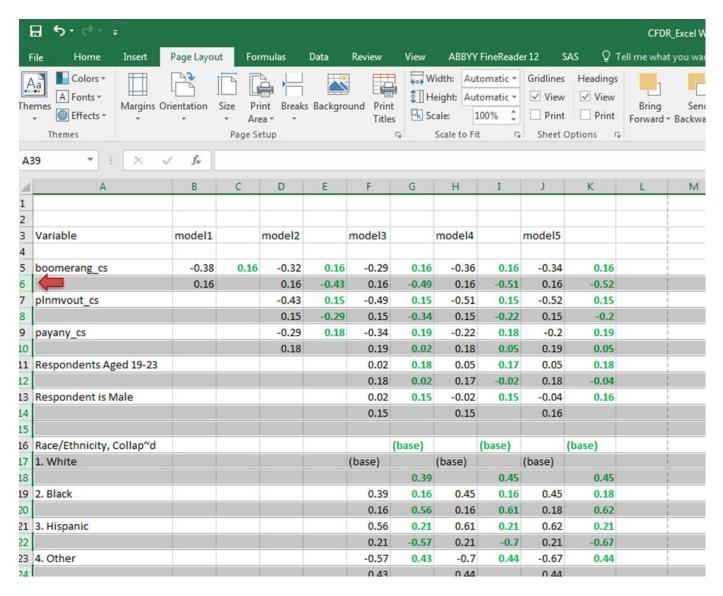
- Get SEs beside your coefficients
 - o Insert rows beside the ones with your coefficients
 - Copy the cells below the first coefficient in each model and past it in the row beside it (the one you just inserted/added). I changed them to green so it's easier for you to see. I also added arrows in the first two columns so you could see, they were in fact transferred up.



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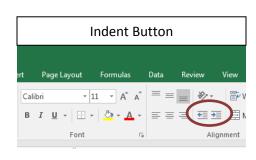
 Now get rid of the onerous rows...this can be a bit dizzy making. Select/click on the individual rows of data while holding down on the Ctrl key...allows you to delete more than one at a time.

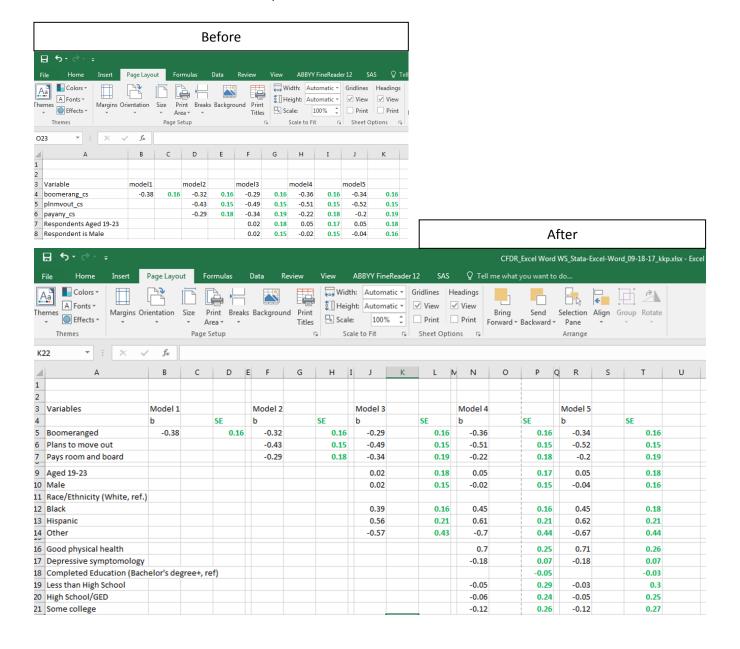


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- Clean up your variable names/labels
 - If you decide to indent in Excel, be sure to use the indent button NOT the space bar. Add 7 pt rows between the models
- Clean up your header
 - Add another column for your stars between the coefficient and the SE.
 - Add 10 pt columns between the models





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Next...

- Change the green text back to black.
- Merge appropriate cells—do not MERGE cells above and below does something and can't manipulate the cells once you place into Word. Only merge cells across columns (from the left and right).
- Add underlines—again, you need to do this here, because it doesn't always work correctly once you are in Word.
- Add your legend (bottom of table not shown)
- Add in your stars—making sure they are left-justified, and that the corresponding coefficients are right-justified.
- Watch out for your decimals...be sure you haven't lost them. You may have to select all of your data and format as a number.
- o Go through and adjust the width of your columns.
- o If you haven't done so, add your table title.
- Notice, everything is within the bounds of the page? I think we are ready to paste into Word!

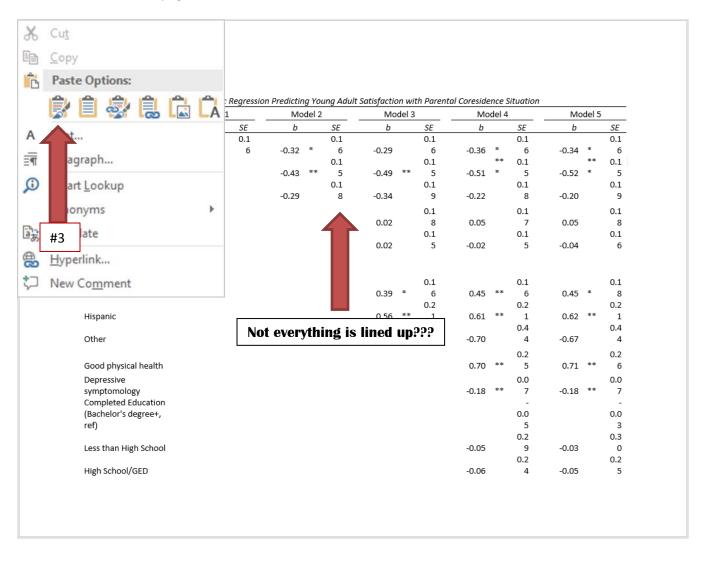
Variables Boomeranged	Model 1		Model 2		Model 3			Model 4			Model 5			
	b SE		b		SE	b		SE	b		SE	b		SE
	-0.38	* 0.16	-0.32	*	0.16	-0.29		0.16	-0.36	*	0.16	-0.34	*	0.16
Plans to move out			-0.43	**	0.15	-0.49	**	0.15	-0.51	***	0.15	-0.52	***	0.15
Pays room and board			-0.29		0.18	-0.34		0.19	-0.22		0.18	-0.20		0.19
Aged 19-23						0.02		0.18	0.05		0.17	0.05		0.18
Male						0.02		0.15	-0.02		0.15	-0.04		0.16
Race/Ethnicity (White,														
ref.)														
Black						0.39	*	0.16	0.45	**	0.16	0.45	*	0.18
Hispanic						0.56	**	0.21	0.61	**	0.21	0.62	**	0.21
Other						-0.57		0.43	-0.70		0.44	-0.67		0.44
Good physical health									0.70	**	0.25	0.71	**	0.26
Depressive symptomology									-0.18	**	0.07	-0.18	**	0.07

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8. Paste Table into Word

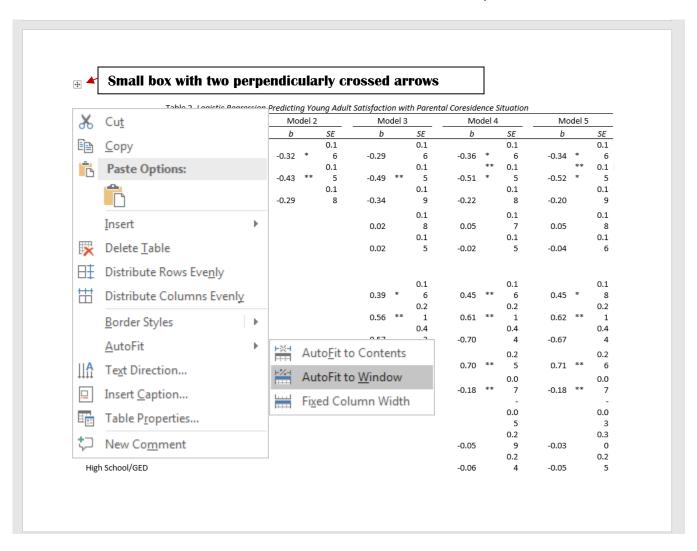
- 1. Select your table and copy it
- 2. Be sure your Word document is set to landscape orientation
- 3. Right-click in Word, choose the first "Paste Option" → "Keep Source Formatting". Notice everything isn't lined up quite right? I'm going to show you how to use "Autofit" on the next page.



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4. Using AutoFit: Click on your table and a small box with two perpendicularly crossed arrows will appear in the upper left corner → Right-click on it and the following pop-up box will appear... → click on "AutoFit," and choose the "AutoFit to Window option."

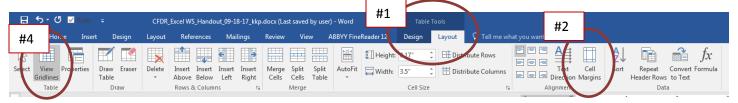


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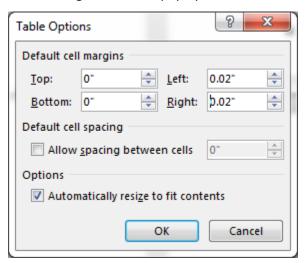
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- Next, you will want to adjust your cell margins
 - 1. Click on your table so the "Table Tools" will show up in your ribbon and choose the "Layout" tab



- 2. Click on "Cell Margins."
- 3. The following window will pop up...

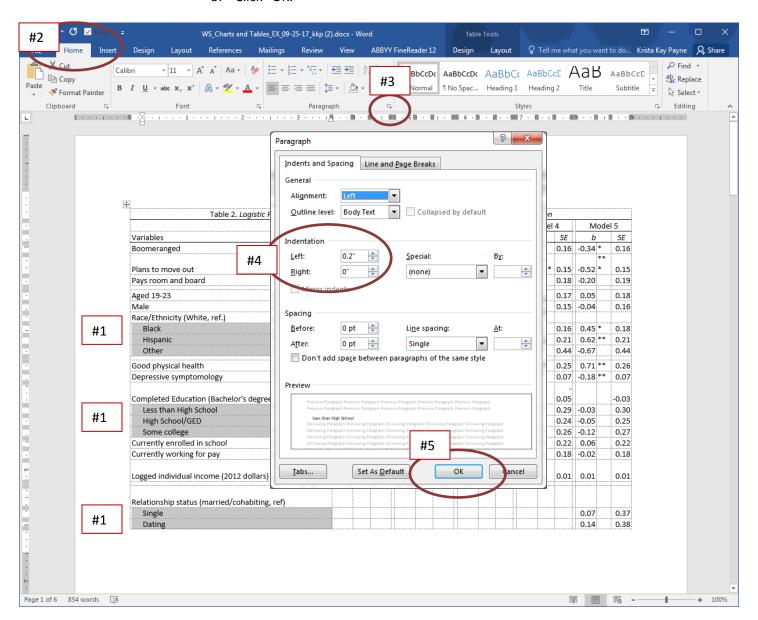


Change the left and right margins to no more than 0.02". You may want to adjust the left margin to 0.01" or 0.0", you'll just have to do what is right for your particular table. *Note*: this will change the cell margins of ALL the cells in this particular table, but not previous or subsequent tables in your document.

- 4. You may still need to do some tweaking to get everything lined up. To make this a little easier, while you are in the "Layout" tab click on the "View Gridlines option on the far left (see above).
- 5. If you make the width of your columns smaller, you will allow for more room for your variable names and categories. Be sure to **work from right to left** when changing columns widths.

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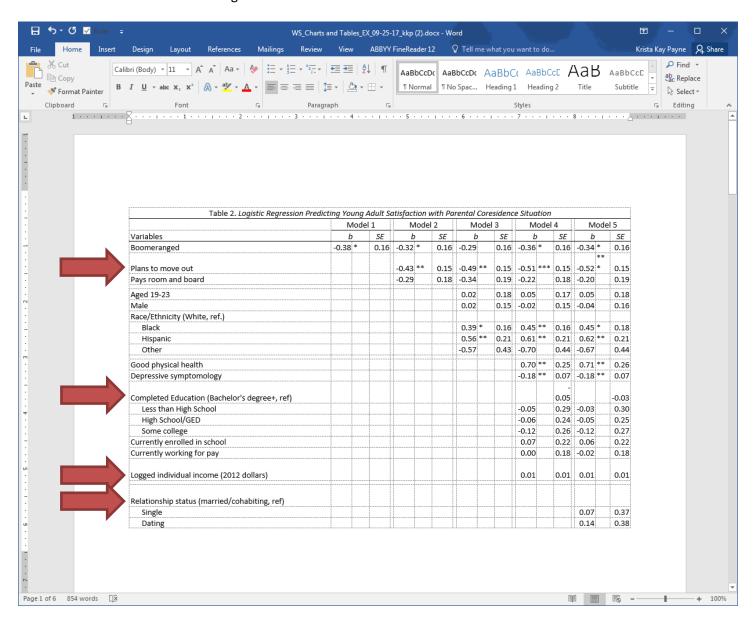
- Indent you value labels on your multi-category variables
 - 1. Highlight the cells you are going to indent.
 - 2. In the ribbon click the Home tab.
 - 3. Go to the Paragraph group and right-click the arrow in the bottom right-hand corner—the Paragraph window will open.
 - 4. Under indentation, adjust the Left indentation to 0.2".
 - 5. Click "OK."



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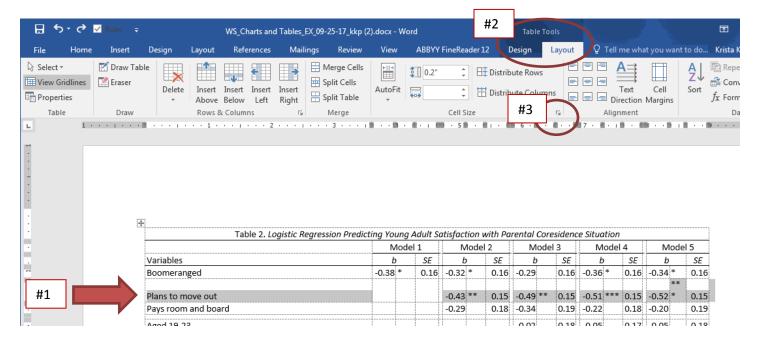
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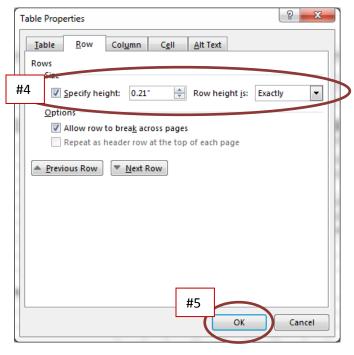
• Notice below, that some of the variable names/categories that used to take up more than one line before formatting now only take up one? You will want to go in and change their row heights to 0.20" or 0.21".



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- 1. Highlight the row you are going to adjust the line height on.
- 2. In "Table Tools," click on the "Layout" tab.
- 3. In the "Cell Size" group click on the arrow in the bottom right hand corner of the group.
- 4. A "Table Properties" pop-up box will appear. In the "Row" tab specify a row height of 0.2" or 0.21" and choose "Row height is: **Exactly**" from the drop-down menu.
- 5. Click "OK."





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You should be left with a beautifully formatted Word table!

Table 2. Logistic Regression Predicting Young Adult Satisfaction with Parental Coresidence Situation

_	Model 1		Model 2		Model 3		Model 4		Mode	15
Variables	b	SE	b	SE	b	SE	b	SE	b	SE
Boomerang	-0.38 *	0.16	-0.32 *	0.16	-0.29	0.16	-0.36 *	0.16	-0.34 *	0.16
Pans to move out			-0.43	0.15	-0.49 **	0.15	-0.51 ***	0.15	-0.52	0.15
Pays anything for room and board			-0.29	0.18	-0.34	0.19	-0.22	0.18	-0.2	0.19
Respondents aged 19-23					0.02	0.18	0.05	0.17	0.05	0.18
Respondent is a man (ref, woman)					0.02	0.15	-0.02	0.15	-0.04	0.16
Race/Ethnicity (ref, White)										
Black					0.39 *	0.16	0.45 **	0.16	0.45 *	0.18
Hispanic					0.56 **	0.21	0.61 **	0.21	0.62 **	0.21
Other					-0.57	0.43	-0.7	0.44	-0.67	0.44
In good health							0.7 **	0.25	0.71 **	0.26
Depressive symptoms							-0.18 **	0.07	-0.18 **	0.07
Completed Education (ref, Bach+)								-0.05		-0.03
Less than High School							-0.05	0.29	-0.03	0.3
High school/GED							-0.06	0.24	-0.05	0.25
Some College							-0.12	0.26	-0.12	0.27
Currently enrolled in school							0.07	0.22	0.06	0.22
Currently working for pay							0	0.18	-0.02	0.18
Logged income in 2012 \$s							0.01	0.01	0.01	0.01
Resident child									-0.11	0.25
Resident parental composition (ref, mom and										
dad)										-0.05
Mom, only									-0.05	0.19
Dad, only									-0.19	0.31
Constant	5.76 **	* 0.1	6.12 **	* 0.14	6.02 ***	* 0.23	5.65 ***	0.36	5.58 ***	0.54
r2	0.02		0.05		0.07		0.13		0.14	

^{*} p<0.05; ** p<0.01; *** p<0.001