Al-Mustaqbal University College Department of Anesthesia techniques

Third Stage



Asst. Lect. Raghda M. Alshemari

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Reading (Opening) The Data Set

- Data can be obtained in several formats:
- SPSS files.
- Spreadsheet Excel, Lotus.
- Database dbase, paradox.
- Files from other statistical programs.
- ASCII text.
- Complex database formats Oracle, Access.



Reading SPSS data

- In SPSS, go to File/Open/Data.
- Click on the button "Files of Type."
- Select the option "SPSS (*.sav)"

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IBM Snagit ViberDownloads Virtual Machines Lec2.sav	
File <u>n</u> ame:	Open
Files of type: SPSS Statistics (*.sav, *.zsav)	<u>P</u> aste
Encoding:	Cancel
	<u>H</u> elp
Retrieve File From Repository	



- The files made with the SPSS program (.sav) will appear
- Select th file you want to open
- Press (open)

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Minimize	string widths based on observed values	<u>H</u> elp
	Retrieve File From Repository	



Reading data from spreadsheet formats – Excel

- In SPSS, go to File/Import Data/Excel.
- SPSS will request the range of the data in Excel. Select to read the variable names and enter the range. Then click Ok.

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salary.xls	x	
File <u>n</u> ame:	salary.xlsx	Open
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ļ	🛊 Read Excel File X							
C:\Users\raghd\Downloads\salary.xlsx								
	wor <u>k</u> shee	sheet: Sheet1 [A1:D30]						
	Ra <u>ng</u> e:							
ſ	Read variable names from first row of data							
	Percentage of values that determine data type: 95							
	Ignore hidden rows and columns							
	Remove leading spaces from string values							
	Remove trailing spaces from string values							
Previe <u>w</u>								
		💑 Gender	💑 LastName	💑 FirstName	🚜 Status	🛷 Salary		
	1	female	Baxter	Brenda	Full Time	36000.0		
	2	male	Boyle	Debra	Full Time	38050.0		
	3	male	Brown	Gary	Part Time	8000.0		
	4	4 male Brown		Robert Full Time		32000.0		
	5	5 male Brown		Charles	Full Time	39000.0		
	6	male	Buckner	Jerry	Full Time	37500.0		
	7	female	Chandler	Jason	Full Time	29000.0		



8

male

OK

Coleman

Paste

Final data type is based on all data and can be different from the preview, which is based on the first 200 data rows. The preview displays only the first 500 columns.

Donald

Reset

Full Time

Cancel

Help

37500.0



• Defines the order in which data are arranged in the data file and displayed on your screen

• When you sort by a variable, X, then you are arranging all observations in the file by the values of X, either in increasing or decreasing values of X.



- If X is string variable, then the order is alphabetical.
- If it is numerical, then the order is by magnitude of the value.





• Go to Data/Sort Cases, then choose the variable and the type of sorting (ascending, or descending).





- The order of selection is important
- first the data file will be organized by gender. Then within each gender group, the data will be sorted by FirstName alphabetically.

		a Ga	nder	💑 LastName		Sa FirstName	
1		female		Baxter	1	Brenda	
2		female		Schultz		Carol	
3	3 female		Steele		Donna		
4		female		Wilson		Elizabeth	
5 female			Morin		Frank		
6 female			Perry		George		
7 8 9		female		Chandler		Jason	
		female	1	Moore		Jennifer	
		female		Grimes	1	Jose	
10		female		Price		Lisa	
11		female		Vang		Marilyn	
12		female		Williams		Mary	
13		3 female		Munoz		Buth	
14		male		Knowles		Aaron	
15		male		Velazquez	L	Carlos	
16		male		Brown		Charles	
17		male		Wood	1	Daniel	
18		male		Boyle		Debra	
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	IFemale2female3female3female4female5female6female7female8female9female10female11female12female13female14male15male16male17male18male	CaGender1female2female3female4female5female6female7female8female9female10female11female12female13female14male15male16male18male	A GenderA LastNar1femaleBaxter2femaleSchultz3femaleSteele4femaleWilson5femaleMorin6femalePerry7femaleChandler8femaleMoore9femaleGrimes10femalePrice11femaleVang12femaleWilliams13femaleMunoz14maleKnowles15maleVelazquez16maleBrown17maleBoyle	Ga GenderGa LastName1femaleBaxter2femaleSchultz3femaleSteele4femaleWilson5femaleMorin6femalePerry7femaleChandler8femaleMoore9femaleGrimes10femalePrice11femaleVang12femaleWilliams13femaleMunoz14maleKnowles15maleBrown17maleWood18maleBoyle	Ora GenderOra LastNameOra FirstNo1femaleBaxterBrenda2femaleSchultzCarol3femaleSteeleDonna4femaleWilsonElizabeth5femaleMorinFrank6femalePerryGeorge7femaleMooreJennifer9femaleGrimesJose10femalePriceLisa11femaleVangMarilyn12femaleWilliamsMary13femaleMunozRath14maleKnowlesAaron15maleBrownCharles17maleWoodDaniel18maleBoyleDebra



• Because of the alphabetically sorting, all females (gender = female) will be before any males (gender = male). Then, within the group of females, sorting will be done by FirstName alphabetically also.

• Let's assume you want to order First Name in reverse. Click on FirstName in the box "Sort by" and then choose the option "Descending" in the area "Sort Order." Click on "OK".

