

Al-Mustaqbal University College
Department of Anesthesia techniques
Third Stage

Lecture 2

Asst. Lect. Raghda M. Alshemari

2021-2022



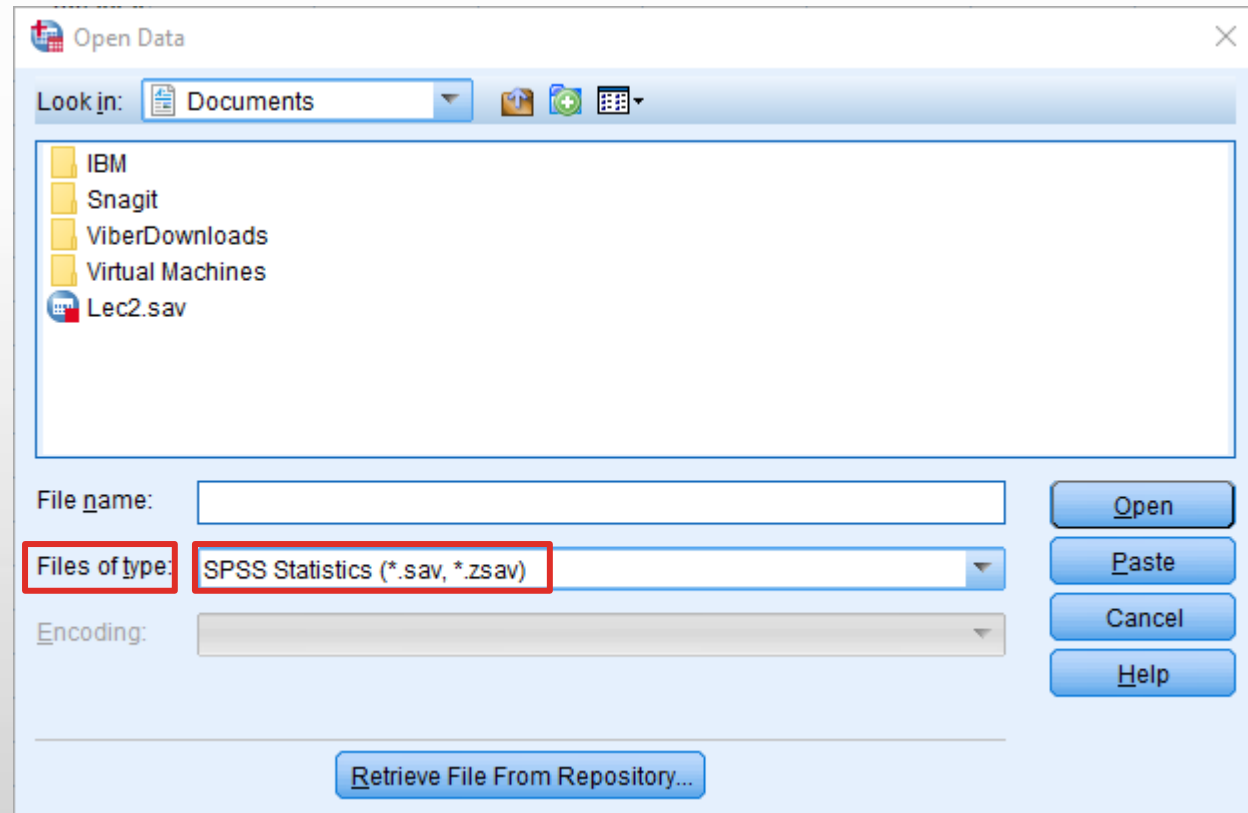


Reading (Opening) The Data Set

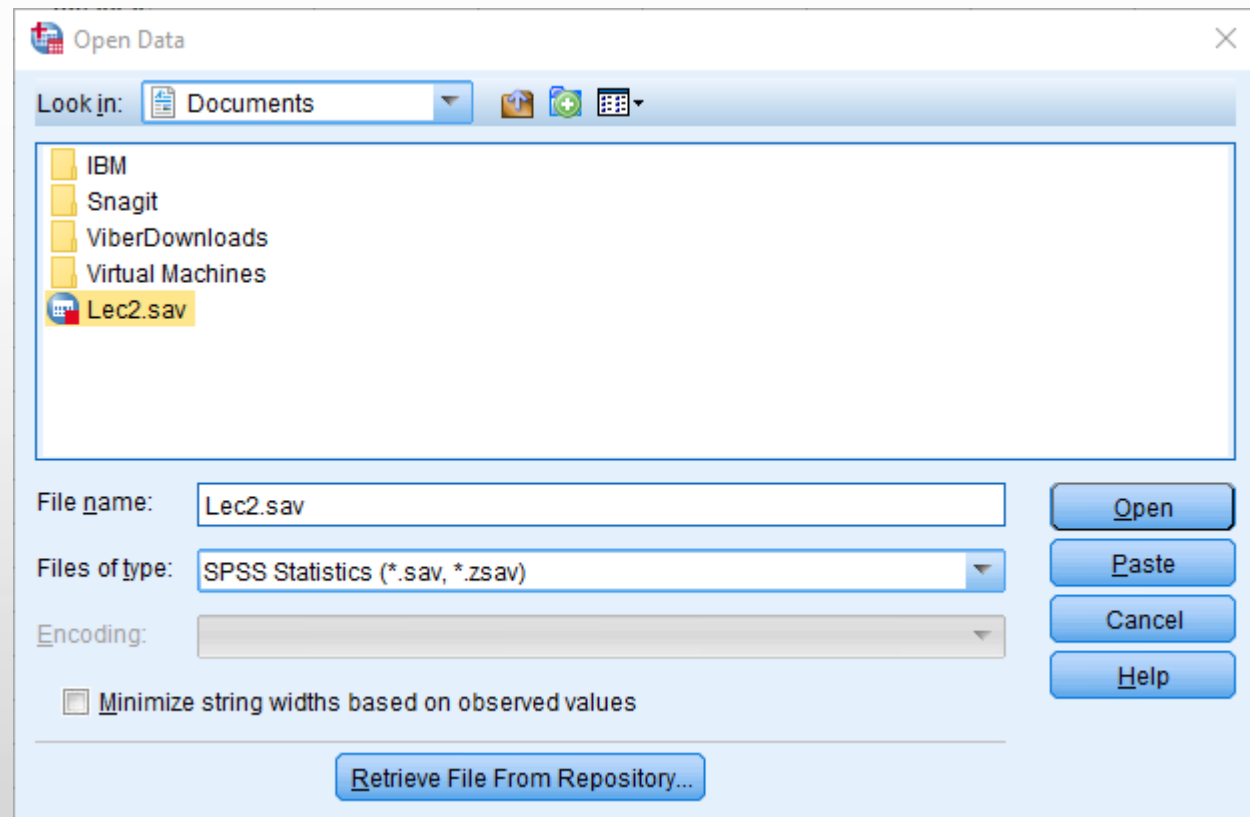
- Data can be obtained in several formats:
- SPSS files.
- Spreadsheet - Excel, Lotus.
- Database - dbase, paradox.
- Files from other statistical programs.
- ASCII text.
- Complex database formats - Oracle, Access.

Reading SPSS data

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

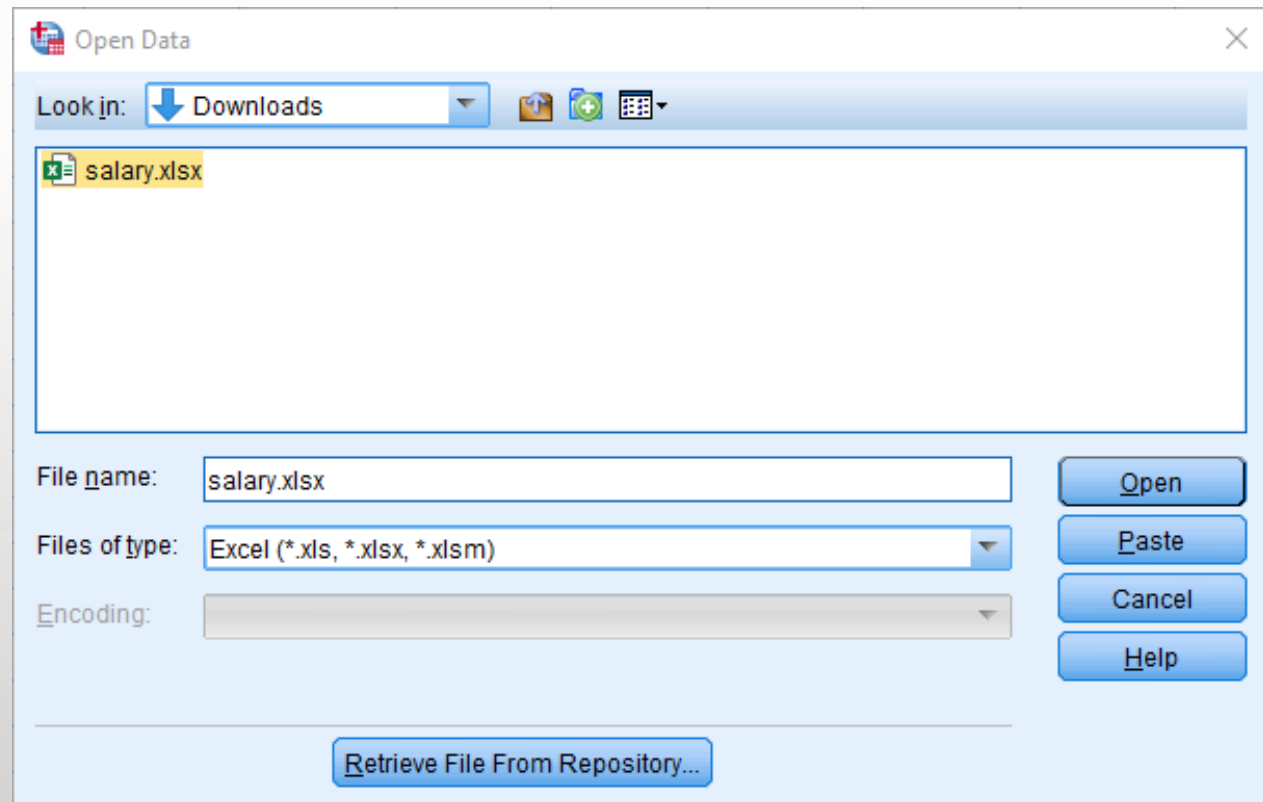


- The files made with the SPSS program (.sav) will appear
- Select the file you want to open
- Press (open)



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.





Read Excel File



C:\Users\raghd\Downloads\salary.xlsx

Worksheet: Sheet1 [A1:D30]

Range:

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

Preview

	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	male	Brown	Robert	Full Time	32000.0
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	Coleman	Donald	Full Time	37500.0



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.

OK

Paste

Reset

Cancel

Help

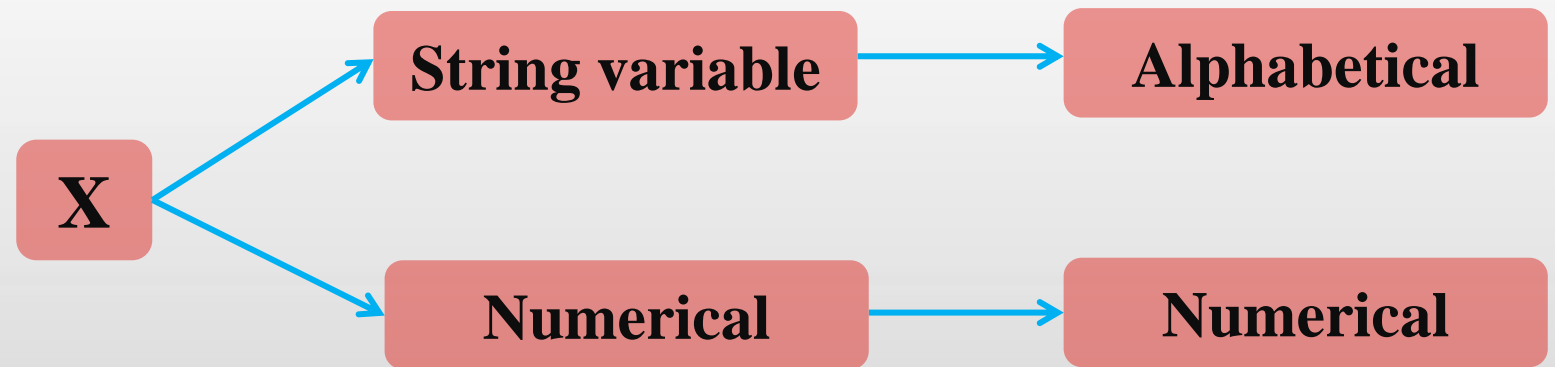


Sorting

- 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 .

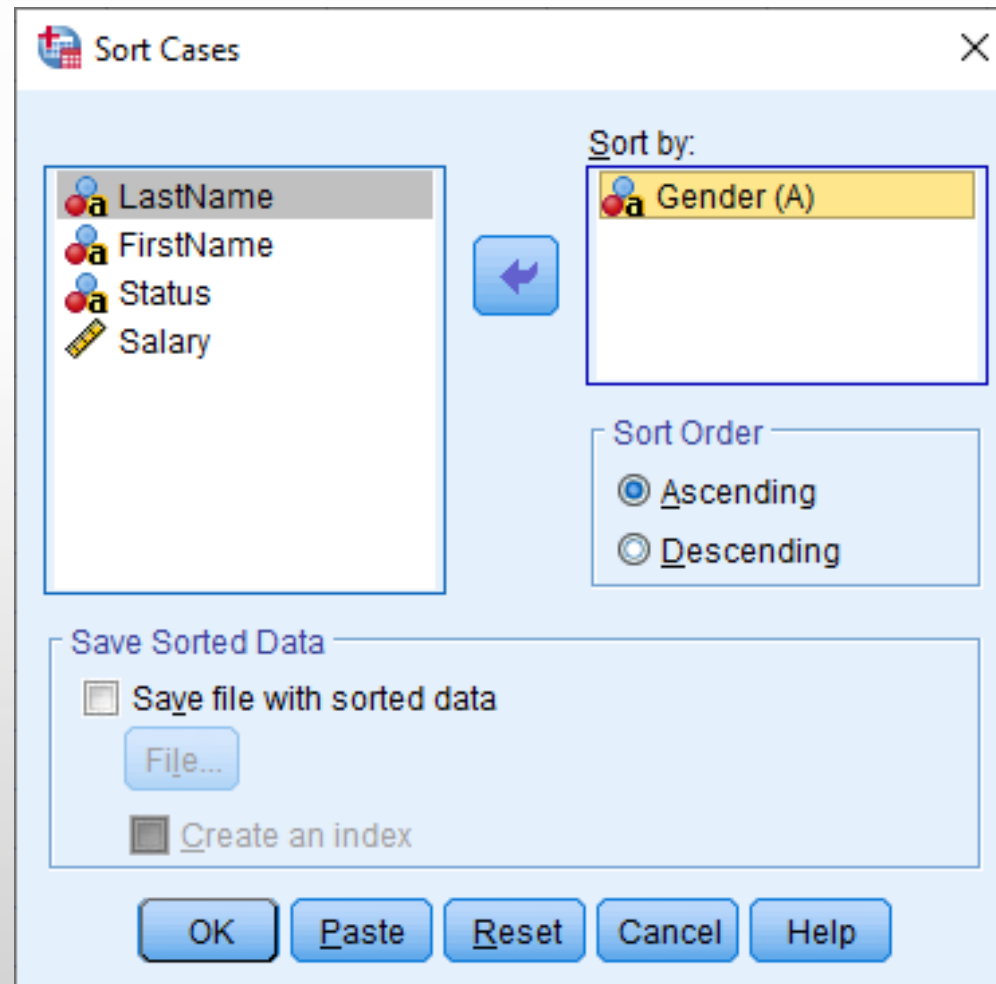
Sorting

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



Sorting

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



Sorting

- 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.

	Gender	LastName	FirstName
1	female	Baxter	Brenda
2	female	Schultz	Carol
3	female	Steele	Donna
4	female	Wilson	Elizabeth
5	female	Morin	Frank
6	female	Perry	George
7	female	Chandler	Jason
8	female	Moore	Jennifer
9	female	Grimes	Jose
10	female	Price	Lisa
11	female	Vang	Marilyn
12	female	Williams	Mary
13	female	Munoz	Ruth
14	male	Knowles	Aaron
15	male	Velazquez	Carlos
16	male	Brown	Charles
17	male	Wood	Daniel
18	male	Boyle	Debra



Sorting

- 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”.



*Thank You
For Listening*