

Data Management and Reporting in SPSS

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Lecture 1
Navigating SPSS



Lecture 2
Data Manipulation



Lecture 3
Summarizing Data



Lecture 4
Comparing Means/Proportions

[View Course Recording](#)



Boston Children's Hospital

Where the world comes for answers

What is SPSS?

- Statistical Product and Service Solutions
- Software for managing, displaying, and analyzing data
- User interacts with SPSS through
 - point-and-click using drop down menus
 - written commands using syntax



Course Expectations

- Focus on point-and-click using drop down menus
- Demos conducted on MacOS
- Pause the video at any time to practice skills



Lecture Outline

- Open SPSS
- Windows
- Menus
- Getting Data into SPSS
- Save, Export, and Print
- Exit SPSS



Open SPSS

- Mac: Double click SPSS icon in Applications directory
- Windows: Start Menu > Programs > SPSS



Windows

- Data Editor Window
 - Data View – displays the actual data as a spreadsheet
 - Variable View – shows the dictionary associated with the data
- Output Viewer Window
 - Navigation pane
 - Output – displays results and graphs
- Syntax Editor Window



Menus

Data Editor and Output Viewer windows

- File
- Edit
- View
- Data
- Transform
- Analyze
- Graphs
- Help

Output Viewer window only

- Insert
- Format



Getting Data into SPSS

- Create new dataset
- Import data
 - Spreadsheets from Excel
 - Plain text files (.txt or .csv)
 - Relational (SQL) databases
 - Statistical software (Stata and SAS)
- Existing SPSS file
 - .sav – data file
 - .spv – viewer or output file
 - .sps – syntax file



Demo

- SPSS sample data file patient_los.sav
- Treatment records of patients admitted to the hospital for suspected MI (“heart attack”)
- Each case represents a separate patient
- Variables related to hospital stay



Save, Export, and Print

- Save As – creates a new SPSS file
- Save – overwrites an existing SPSS file
- Export – creates a new file according to the selected format
- Print – entire window or a selection



Exit SPSS

- Select Quit SPSS Statistics
- Save changes?



Next Lecture

- Lecture 2: Data Manipulation
 - Merging datasets
 - Creating new variables
- Questions? Email: laura.berbert@childrens.harvard.edu

