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

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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

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Course Expectations

- Focus on point-and-click using drop down menus

- Demos conducted on MacOS

- Pause the video at any time to practice skills

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Lecture Outline

- Open SPSS

- Windows

- Menus

- Getting Data into SPSS

- Save, Export, and Print

- Exit SPSS

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Open SPSS

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

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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

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Menus

Data Editor and Output Viewer windows

- File

- Edit

- View

- Data

- Transform

- Analyze

- Graphs

- Help

Output Viewer window only

- Insert

- Format

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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

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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

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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

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Exit SPSS

- Select Quit SPSS Statistics
- Save changes?

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Next Lecture

- Lecture 2: Data Manipulation
  - Merging datasets
  - Creating new variables

- Questions? Email: laura.berbert@childrens.harvard.edu

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