

Introduction to SPSS

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Introduction to SPSS

V. 27

<https://carleton.ca/its/all-services/computers/site-licensed-software/spss/>

Ask Questions

Are you excited to learn
about SPSS?

Workshop Overview

- 1.1 Introduction to SPSS
 - Orientation
- 1.2 Tutorial: Getting Started
 - Create an SPSS file
 - Clean Data
- 1.3 Tutorial: Analyses
 - Output
 - Graphs
- 1.4 Syntax

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Introduction to SPSS: Orientation

SPSS Files:

- Data File (.sav)
 - Master File/Spreadsheet:
 - Data View
 - Variable View
- Output File (.spv)
 - Results
- Syntax File (.sps)
 - Instructions

Measurement Scales

Continuous Variables

- Ratio
- Interval

Categorical Variables

- Nominal
- Ordinal

Measurement Scales

Continuous Variables

- Ratio (includes true zero)
height, age, km
- Interval (no true zero)
temperature, intelligence test score

Categorical Variables

- Nominal (categories)
married/widowed/divorced/single
- Ordinal (categories with order)

Primary School	Secondary School	Trade School	Undergraduate	Post Graduate
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Measurement Scales in SPSS

Continuous Variables

- Ratio

- Interval



Scale

Categorical Variables

- Nominal

- Ordinal



Nominal

Ordinal

Tutorial: Getting Started

Create an SPSS File:

- Open/Import files into SPSS
- Merge and Match files

Inspect Data:

- Data characteristics

Clean Data:

- Recode/Create Variables
- Identify duplicate/missing cases
- Filter/Delete cases

Tutorial: Getting Started

Create an SPSS File:

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Merge and Match Files

1. Add Variables
2. Add Cases

Merge and Match Files: Add Cases

Sample 1		
ID	Age	Intake Assessment
1	22	Moderate
2	34	High
3	32	Low
4	44	High

Sample 2		
ID	Age	Intake Assessment
55	58	Moderate
56	18	Moderate
57	27	High
58	36	High

Merge and Match Files: Add Cases

Sample 1		
ID	Age	Intake Assessment
1	22	Moderate
2	34	High
3	32	Low
4	44	High

Sample 2		
ID	Age	Intake Assessment
55	58	Moderate
56	18	Moderate
57	27	High
58	36	High

Merge and Match Files: Add Cases

Samples 1 & 2		
ID	Age	Intake Assessment
1	22	Moderate
2	34	High
3	32	Low
4	44	High
55	58	Moderate
56	18	Moderate
57	27	High
58	36	High

Merge and Match Files: Add Variables

File 1		
ID	Age	Risk Level
1	22	Moderate
2	34	High
3	32	Low
4	44	High
5	59	Low
6	18	Moderate

File 2	
ID	Recidivism - 12 Months
1	Violation
2	New Sentence
3	Revocation
4	
5	Violation
6	

Merge and Match Files: Add Variables

File 1		
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Merge and Match Files: Add Variables

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File 2	
ID	Recidivism - 12 Months
1	Violation
2	New Sentence
3	Revocation
4	
5	Violation
6	

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Merged Files			
ID	Age	Risk Level	Recidivism - 12 Months
1	22	Moderate	Violation
2	34	High	New Sentence
3	32	Low	Revocation
4	44	High	
5	59	Low	Violation
6	18	Moderate	

Tutorial: Getting Started

Create an SPSS File:

- Open/Import files into SPSS
- Merge and Match files

Inspect Data:

- Data characteristics

Clean Data:

- Recode/Create Variables
- Identify duplicate/missing cases
- Filter/Delete cases

Congratulations

You have created your SPSS file.

Now for Analyses.

Tutorial: Analyses

Descriptives

- Frequencies
- Crosstabulations

Graphs

Analyses

- Chi-Square
- T-Tests
- ANOVA
- Regression
- Assumptions Testing

Syntax

- Don't be scared

Syntax

- Don't be scared
- Same as doing analyses, just "Paste" instead of "OK"

Syntax

- Don't be scared
- Same as doing analyses, just "Paste" instead of "OK"
- Save code in syntax file

Syntax

- Don't be scared
- Same as doing analyses, just "Paste" instead of "OK"
- Save code in syntax file
- Make notes-to-self

Syntax: Same as Analyses, just paste instead of OK

Descriptives

- Frequencies
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Graphs

Analyses

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