Introduction to Jamovi and Data Management

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Content

01. Navigate Jamovi and import datasets.

02. Filter rows in the data for focused analysis.



04. Compute new variables based on other variables in the dataset.





WE NEED LESS RESEARCH, BETTER RESEARCH, AND RESEARCH DONE FOR THE RIGHT REASONS

Douglas G Altman

Course Website:

https://pmspsy.netlify.app/

Advanced Statistical Methods for Analyzing Empirical Data

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Welcome!

1 Introduction to Jamovi and data preparation References

Advanced Statistical Methods for Analyzing Empirical Data

1st Edition

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Welcome!

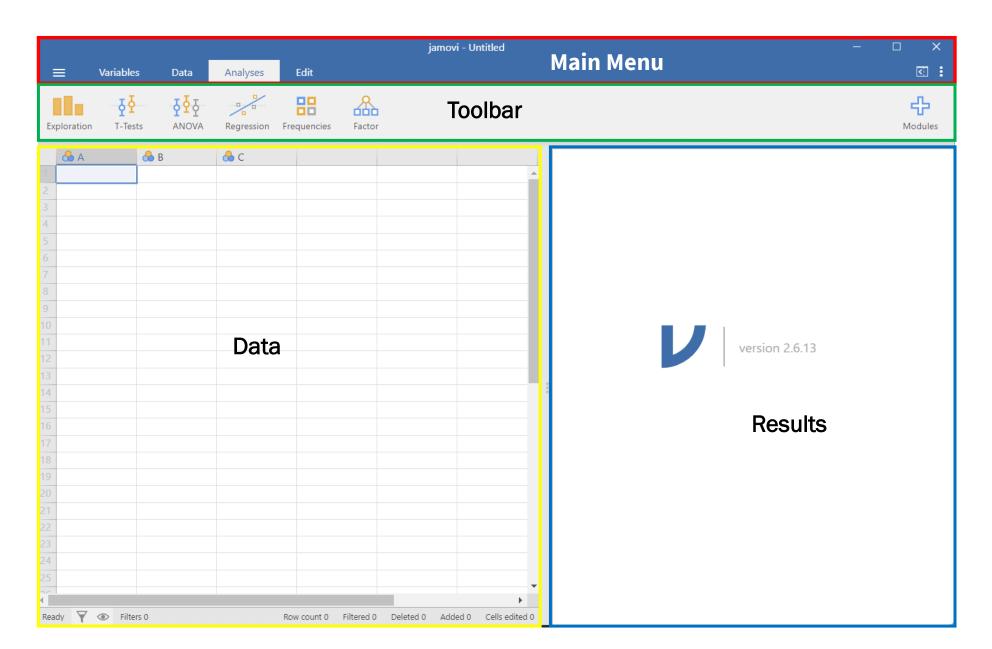
This course introduces postgraduate students to advanced statistical methods used in the quantitative social, educational, and behavioral sciences. Students will learn:

- Data management.
- Analysis of Variance (ANOVA) designs.



On this page Welcome!

Jamovi IDE



Type of Variables

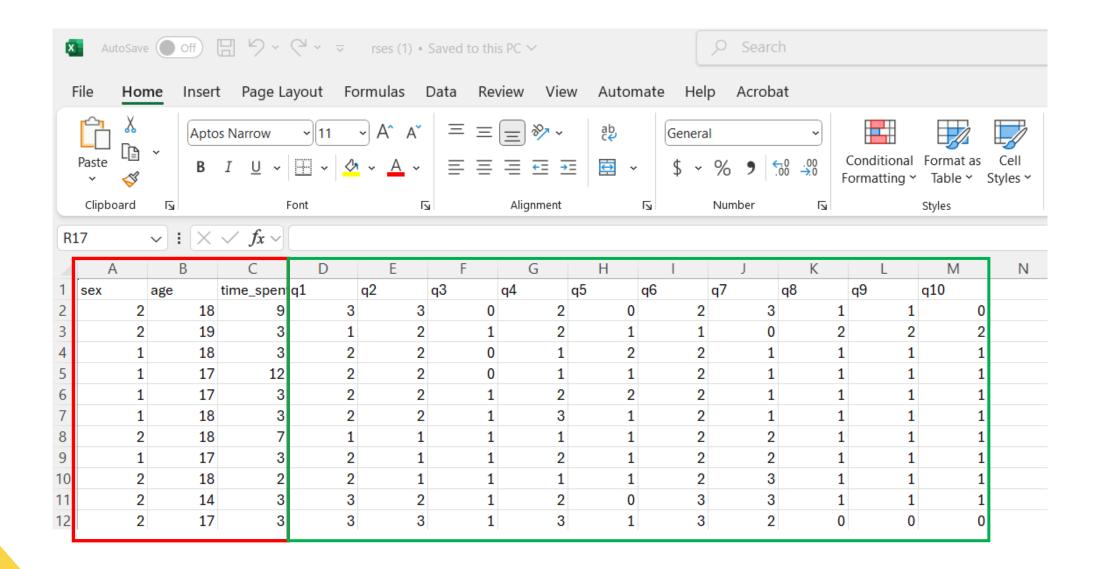
- A Nominal: This type is for nominal categorical variables.
- Ordinal: This type is for ordinal categorical variables.
- Continuous: this type is for variables with numeric values which are considered to be
 of Interval or Ratio scales.
- ID: This will usally be our first column. This can be text or numbers, but it should be unique to each row.

Additionally, data variables can be one of three **data types**:

- Integer: These are full numbers e.g. 1, 2, 3, ... 100, etc. Integers can be used for all three measure types. When used for Nominal/Ordinal data numbers will represent labels e.g. male=1; female=2.
- **Decimal:** These are numbers with decimal points. e.g. 1.3, 5.6, 7.8, etc. This will usually only be used for continuous data.
- **Text:** This can be used for ordinal and nominal data.

		Measure	
Data	Nominal	Ordinal	Continuous
Integer	✓	✓	✓
Decimal			✓
Text	✓	✓	

.CSV



Ten questions (items) of Rosenberg Self-Esteem Scale (RSES)

- Positively worded Items 1, 2, 4, 6, and 7.
- Negatively worded Items 3, 5, 8, 9, and 10 (codes should be reversed).

	Codes:	3 2 1		1	0	
		STRONGLY AGREE	AGREE	DISAGREE	STRONGLY DISAGREE	
1	I feel that I'm a person of worth, at least on an equal plane with others.	SA	А	D	SD	
2	I feel that I have a number of good qualities.	SA	A	D	SD	
⇨₃	All in all, I am inclined to feel that I am a failure.**	SA O	1 A	D 2	SD 3	
4	I am able to do things as well as most other people.	SA	А	D	SD	
\$ 5	I feel I do not have much to be proud of.**	SA O	A 1	D 2	SD 3	

$$R$$

$$3 - 3 \rightarrow 0$$

$$3 - 2 \rightarrow 1$$

$$3 - 1 \rightarrow 2$$

$$3 - 0 \rightarrow 3$$

Total score = $q1 + q2 + q3_R + q4 + q5_R + q6 + q7 + q8_R + q9_R + q10_R$