JASP

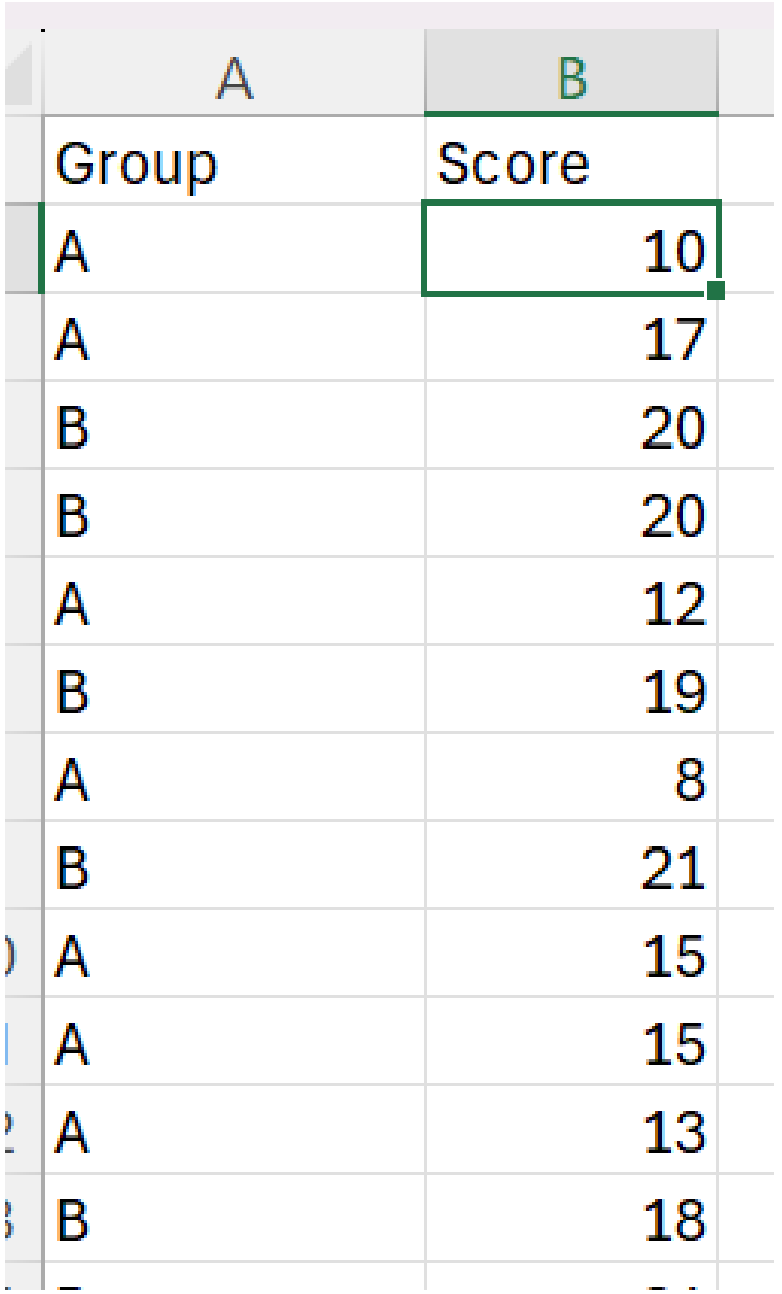
# JASP Instructions

## Independent-samples *t*-test

## For ***between-subjects*** experiments

# Format your data

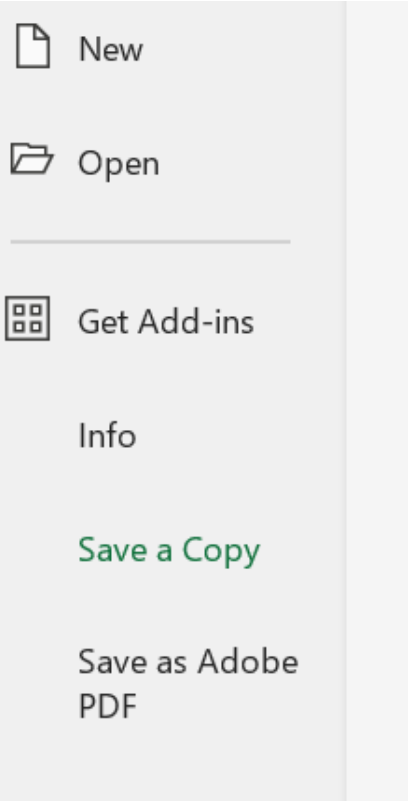
- You will need:
  - A score column
  - A grouping column

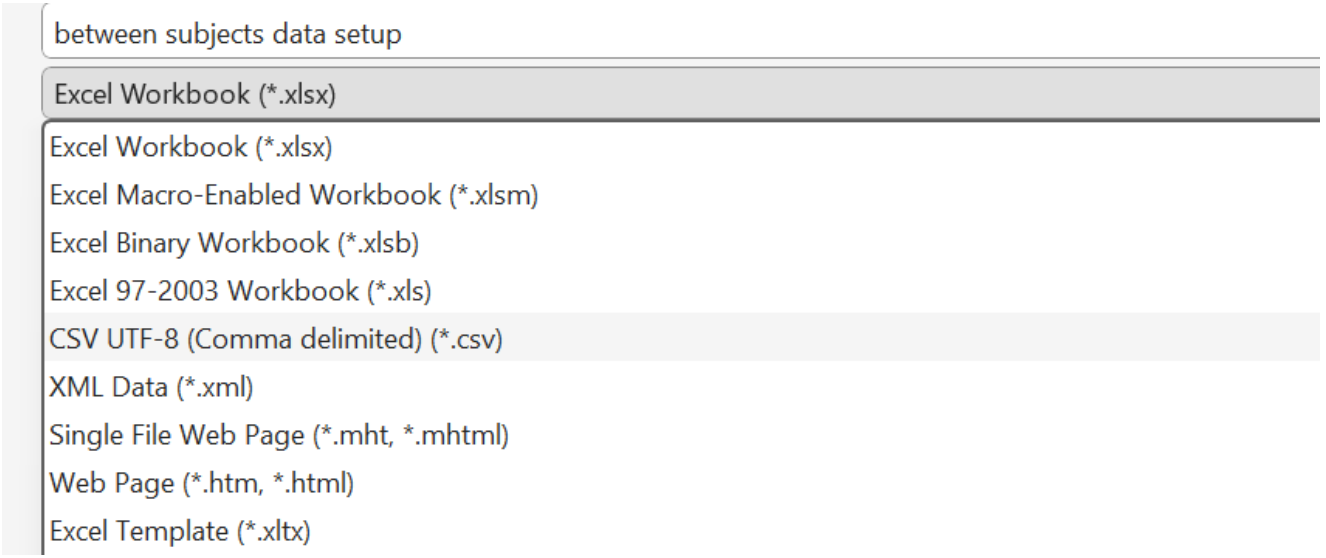


| | A | B |
|---|---|---|
| | Group | Score |
| | A | 10 |
| | A | 17 |
| | B | 20 |
| | B | 20 |
| | A | 12 |
| | B | 19 |
| | A | 8 |
| | B | 21 |
| | A | 15 |
| | A | 15 |
| | A | 13 |
| | B | 18 |

# Save as CSV

- You were working with an excel sheet probably
- Now, take your ***clean***, ***reformatted*** data and save as a CSV
  - Name it something descriptive and end with _JASP
    - Between_subjects_data_setup_JASP (for example)



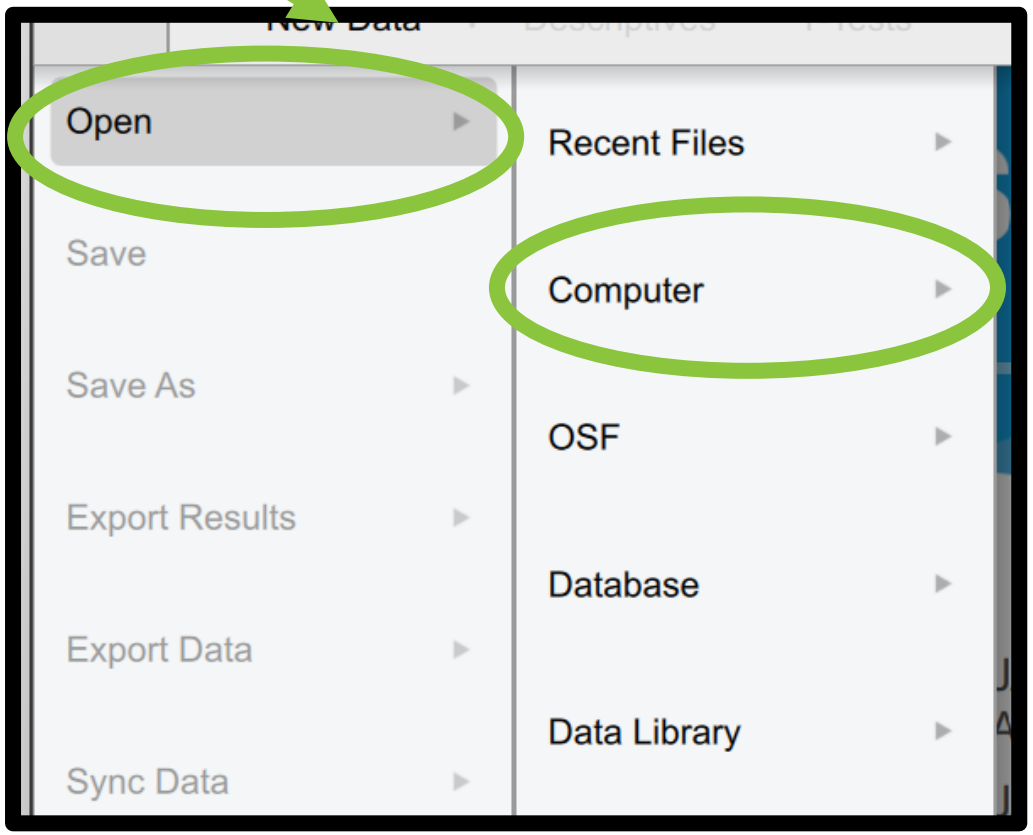



# Open JASP

- I recommend making a desktop shortcut but do whatever makes you happy!
- Just get it open

# Upload data

1. Under the 3-line menu, go to Open -> Computer -> browse
2. Find the folder that you saved your data in
3. Open the data file

# Does it look kind of like this?

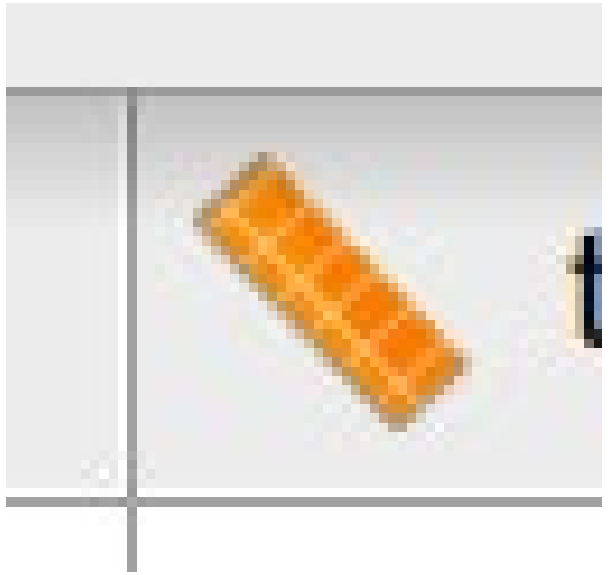
Edit Data | Descriptives | T-Tests | ANOVA | Mixed Models | Regression | Frequencie

| | subj | group | total_IDU | total_key | total_nonkey | JOL | test_ |
|---|---|---|---|---|---|---|---|
| 1 | 6 | 1 | 10 | 3 | 7 | 7 | 8 |
| 2 | 7 | 1 | 7 | 1 | 6 | 6 | 7 |
| 3 | 9 | 1 | 15 | 3 | 12 | 8 | 6 |
| 4 | 11 | 1 | 12 | 5 | 7 | 3 | 7 |
| 5 | 13 | 1 | 3 | 2 | 1 | 7 | 10 |
| 6 | 24 | 1 | 14 | 8 | 6 | 6 | 7 |
| 7 | 26 | 1 | 8 | 4 | 4 | 5 | 8 |
| 8 | 28 | 1 | 2 | 0 | 2 | 5 | 5 |
| 9 | 31 | 1 | 10 | 2 | 8 | 7 | 9 |
| 10 | 32 | 1 | 23 | 7 | 16 | 6 | 8 |
| 11 | 34 | 1 | 16 | 6 | 10 | 7 | 7 |
| 12 | 36 | 1 | 8 | 5 | 3 | 8 | 9 |
| 13 | 38 | 1 | 4 | 2 | 2 | 5 | 6 |

**NOTE:** with different variables and numbers!

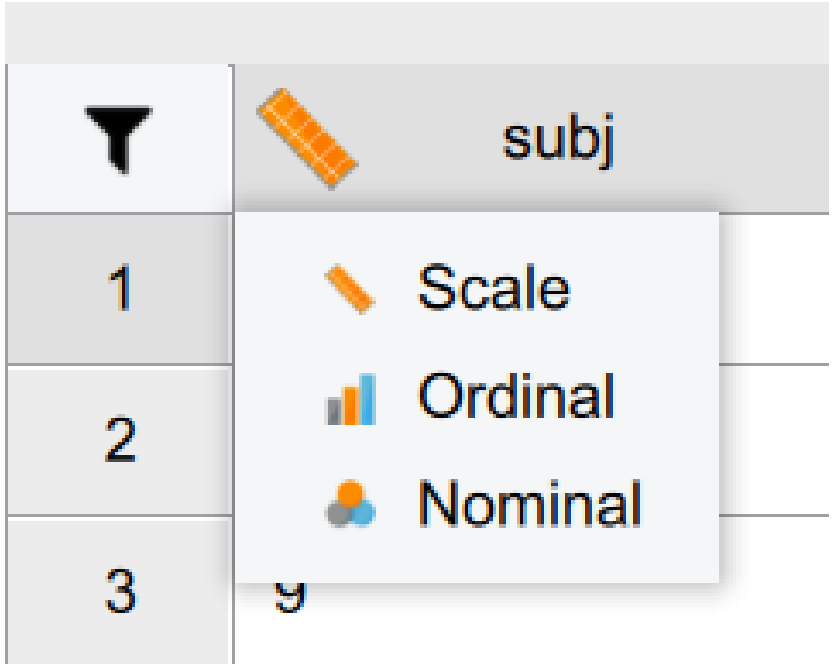
# Set up raw data

1. Delete any rows of data that are not individual participants (e.g., mean calculations)
2. Make sure DVs are continuous (ruler icon)
   **If they aren't see next slides



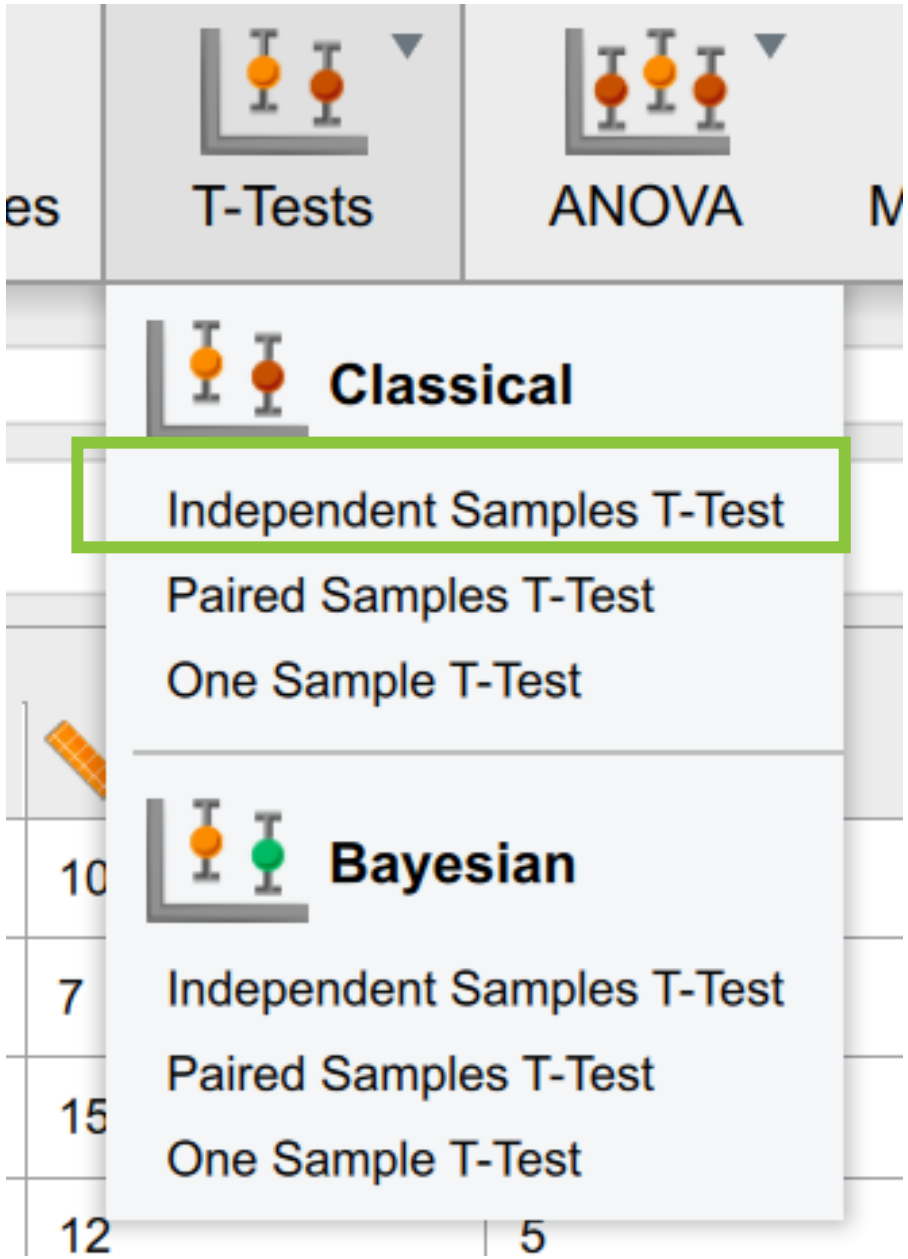
# To change variables:

1. Click on the icon next to the variable name
2. **Scale = continuous**
3. **Ordinal = ordered data (like 1st, 2nd, 3rd places)**
4. **Nominal = categorical data (like groups)**

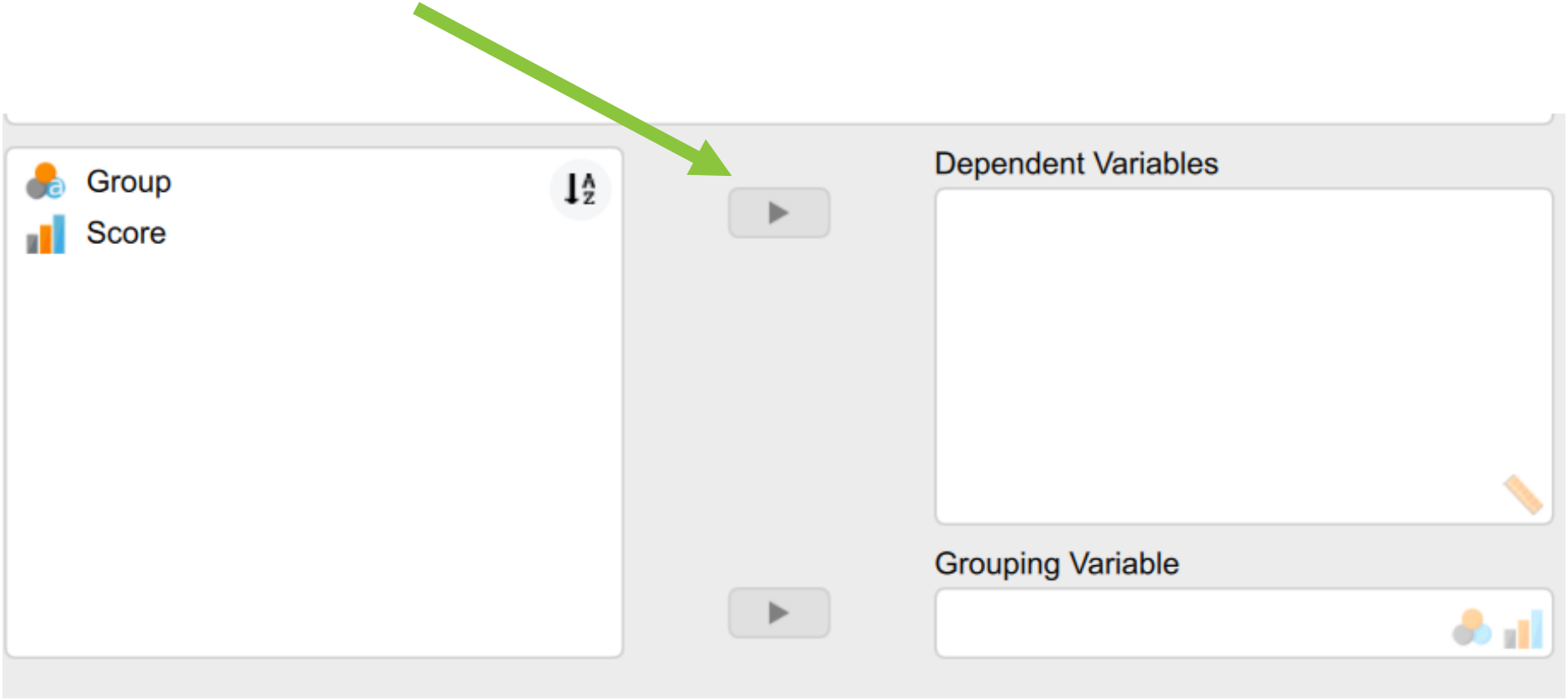
# Run analysis

1. Click “t-tests”
2. Under **classical** select
    1. Independent samples t-test



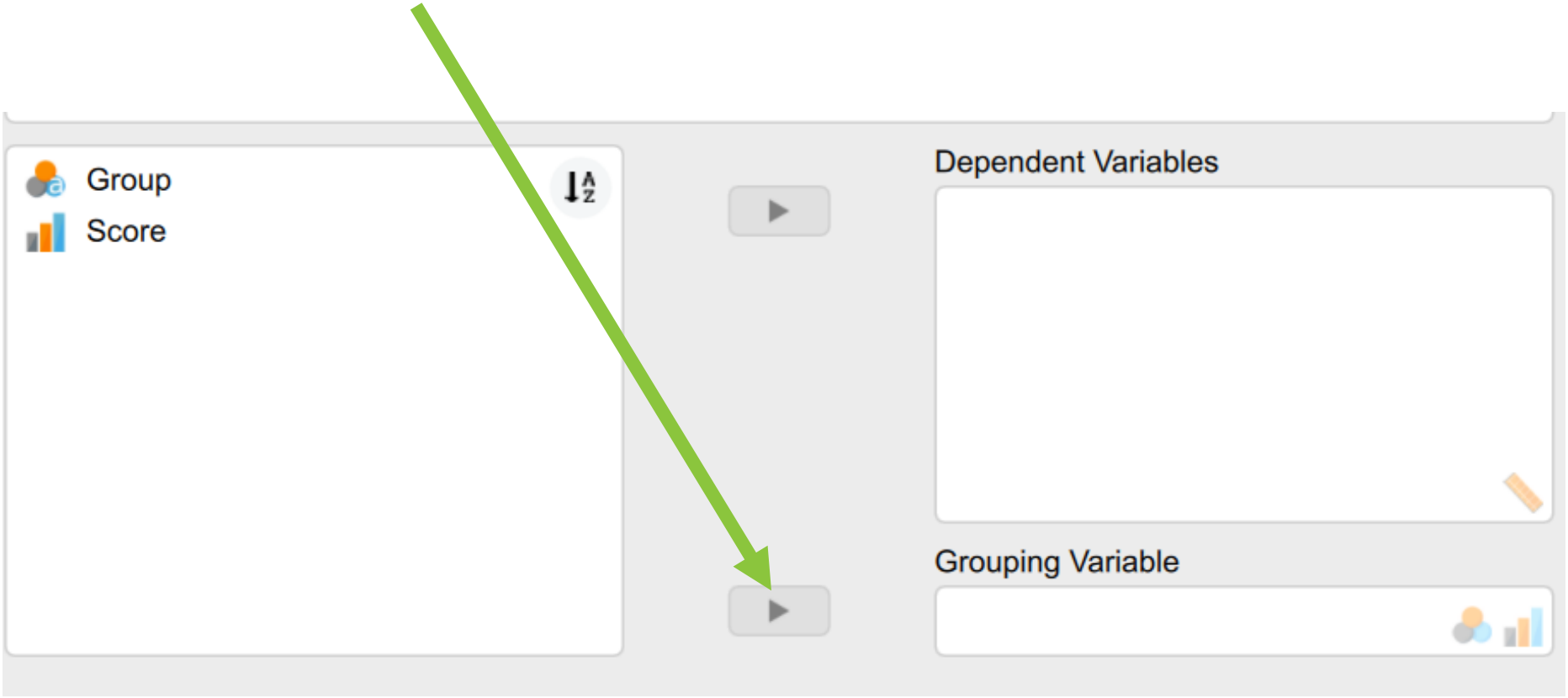
# Independent-samples t-test

1. Select (click on) your DVs from the left-hand side
    1. You can put multiple DVs
2. Use this arrow to put it in the “Dependent Variables” box



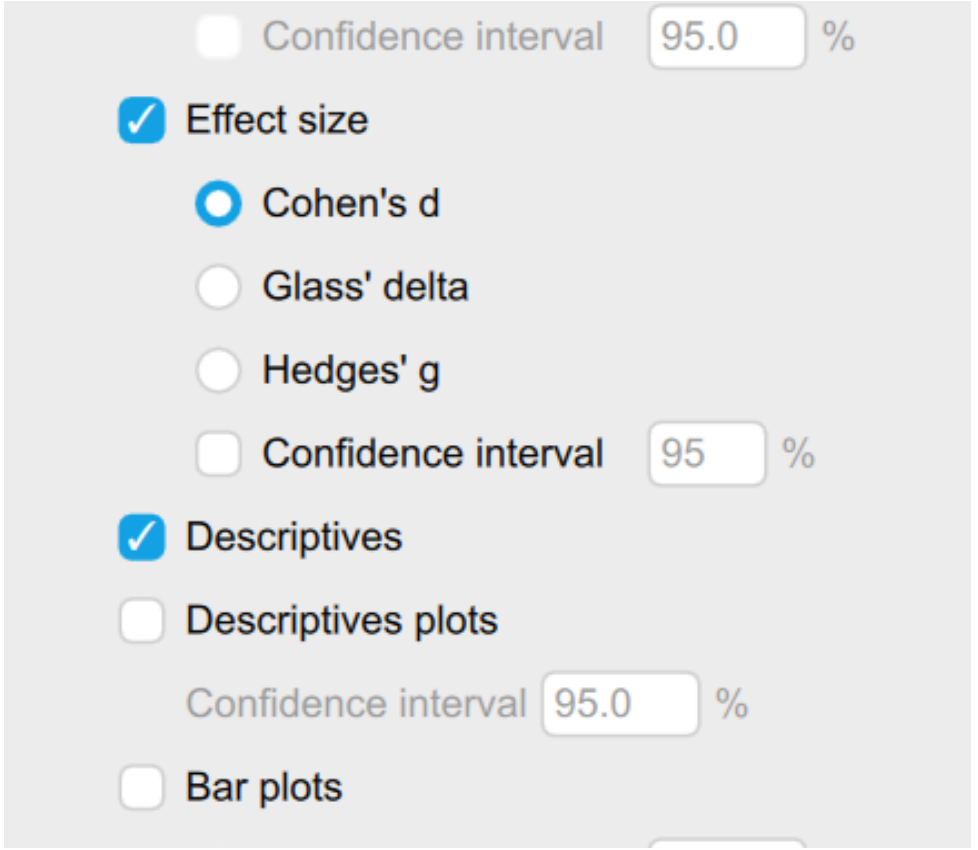
# Independent-samples t-test

1. Select (click on) your group rom the left-hand side
    1. You can have ONE grouing variable
2. Use this arrow to put it in the “Grouping Variable” box



# Independent-samples t-test

1. Scroll down and check these boxes
2. Effect size
    1. Cohen’s d
3. Descriptives



# Does your output kind of look like this?

…with different numbers and variables…

## Independent Samples T-Test

Independent Samples T-Test

| | t | df | p | Cohen's d | SE Cohen's d |
|---|---|---|---|---|---|
| Score | −4.999 | 12 | < .001 | −2.672 | 0.892 |

*Note*. Student's t-test.

## Descriptives

Group Descriptives

| | Group | N | Mean | SD | SE | Coefficient of variation |
|---|---|---|---|---|---|---|
| Score | A | 7 | 12.857 | 3.132 | 1.184 | 0.244 |
| | B | 7 | 19.429 | 1.512 | 0.571 | 0.078 |

# Great job!!