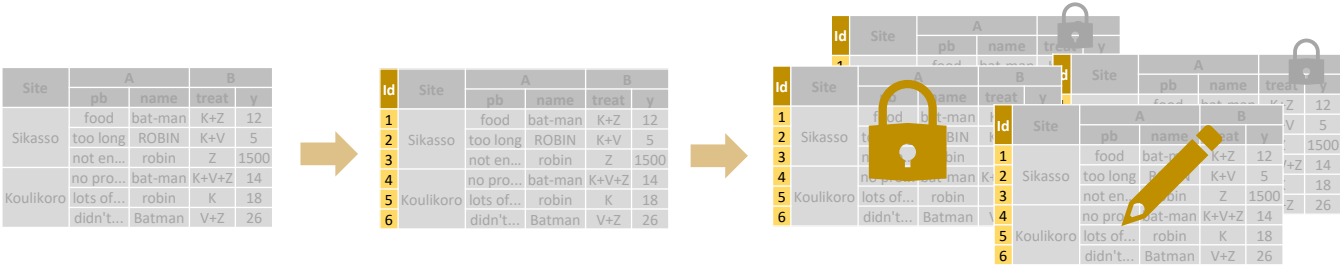


RoadMap to Data Analysis :: CHEAT SHEET

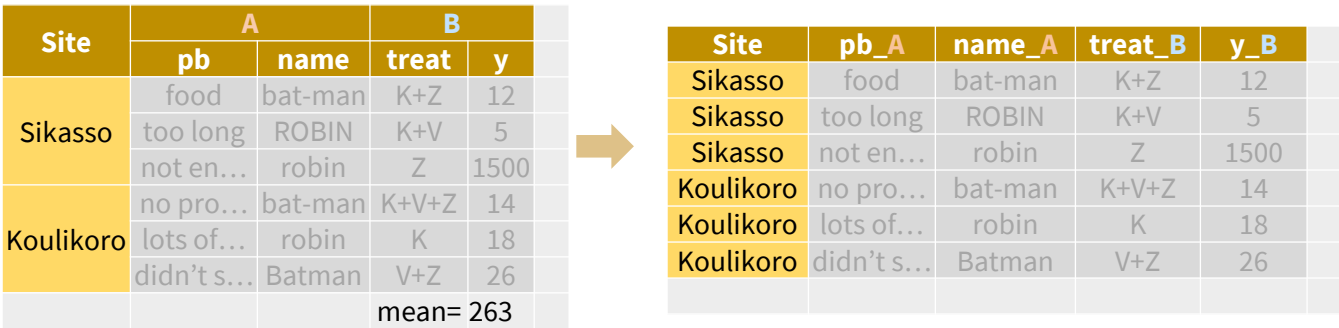
Stats4SD

Keep data safe



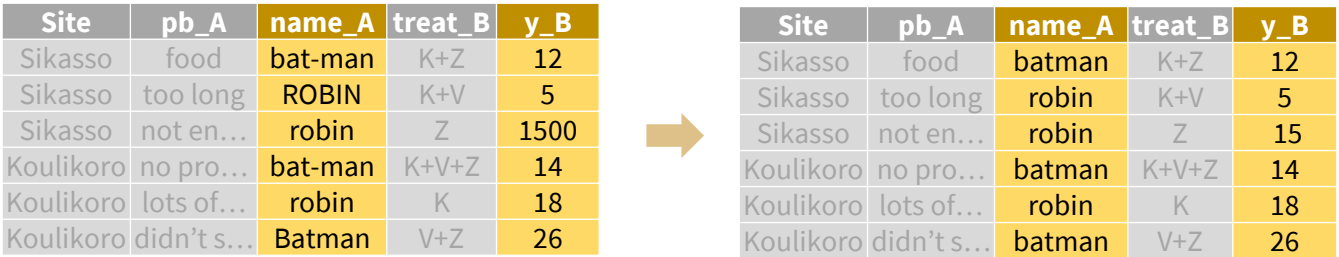
- What you want
- * Unique identifiers
 - * Raw dataset unaltered
 - * You work on a copy
 - * Everything recorded and backed up
- Suggested tools
- Windows Explorer
 - Dropbox
 - Google Drive
 - git

Check format



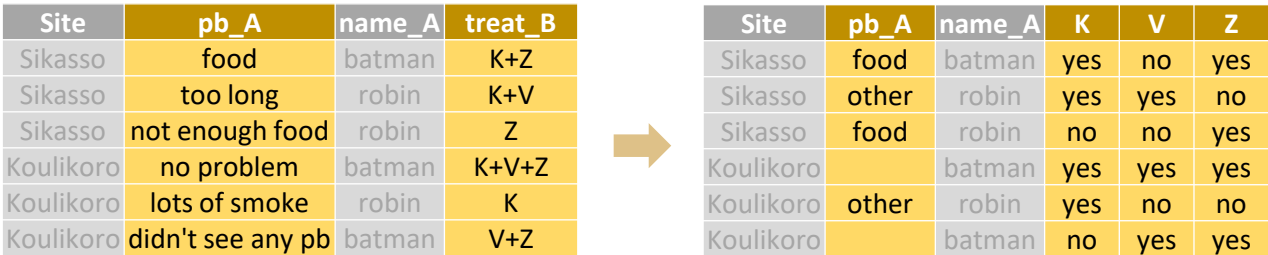
- What you want
- * Headers in one row only
 - * No merged cells
 - * Rest of the sheet empty
- Suggested tools
- ODK
 - Excel

Make corrections



- What you want
- * Same values always written the exact same way
 - * No absurd values
- Suggested tools
- Open Refine
 - Rinstat
 - Rstudio
 - Excel

Create useful variables



- What you want
- * Comparable numerical values
 - * Factors with:
 - limited number of values
 - values easy to compare
- Suggested tools
- Open Refine
 - Rstudio
 - Rinstat

Analyse

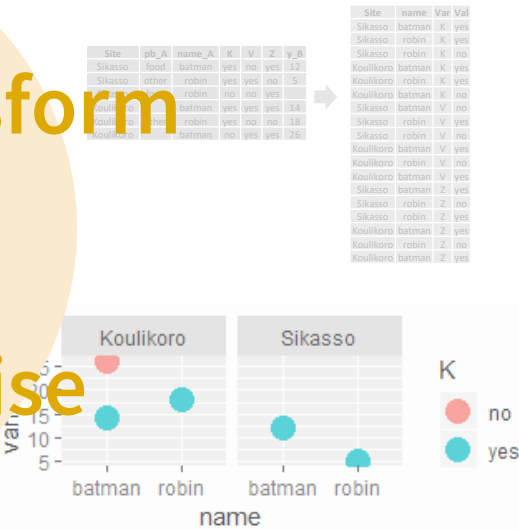
name_A	lsmean	SE	df	lower.CL	upper.CL
batman	18.7	6.45	0.94	-77.7	115.0
robin	15.5	7.59	1.39	-35.6	66.6

Degrees-of-freedom method: satterthwaite
Confidence level used: 0.95

Model Transform

Interpret

Visualise



- What you want
- * The right transformations for your graphs and models
 - * Simple models adapted to the structure of your data
 - * Clear graphs that help you understand the data
 - * Careful interpretation

Suggested tools

- Rstudio
- Rinstat

Find how to guides at:
stats4sd.org/resources