

# Wrangling Your Data

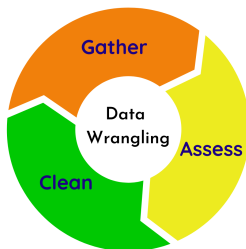
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11/12/2020

## Data in given form often not suitable for analysis

- Create new variables
- Rearrange variable order
- Rearrange row order
- Remove observations



## Benefits of using R

- Can edit temporary versions of data
- All in code; transparent/reproducible
- Easily save output in various formats
- Very powerful tools

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## R Data Structure

Standard Format: **Data Frame**

country	year	cases	population
Afghanistan	1999	745	19984071
Afghanistan	2000	866	20095360
Brazil	1999	3737	17206362
Brazil	2000	8488	17404898
China	1999	21258	127291272
China	2000	21666	128042583

variables

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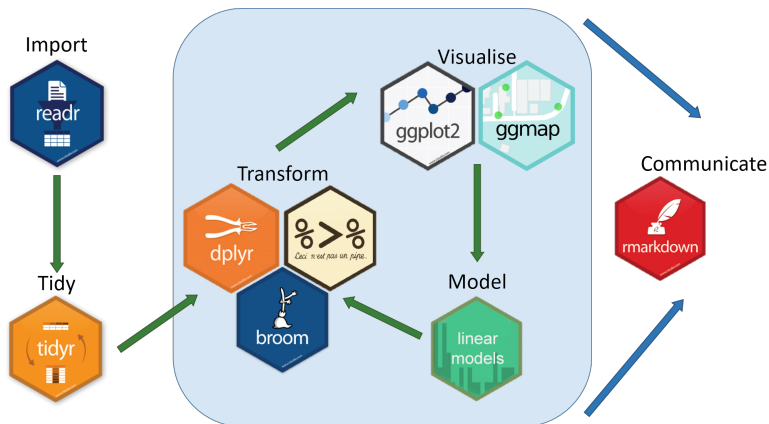
values

Data in **Tidy** form

# Wrangling Your Data

## Methods in R

- Base R (built-in functions)
- Tidyverse packages



# Song of the Session

Chaiyya Chaiyya sung by Sukhwinder Singh and Sapna Awasthi

