

Day 4 Cheatsheet

Data Manipulation

Major concepts:

- **Wide** data - multiple columns per individual, values spread across multiple columns
- **Long** data - multiple rows per observation, a single column contains the values

Functions

Library/Package	Piece of code	Example of usage	What it does
tidyr	<code>pivot_longer()</code>	<code>df %>% pivot_longer(!column_to_not_touch, names_to = "new_col_with_labels", values_to = "new_col_with_values")</code>	Lengthens a data frame by increasing the number of rows and decreasing the number of columns.
tidyr	<code>pivot_wider()</code>	<code>df %>% pivot_wider(names_from = "col_with_names", values_from = "col_with_values")</code>	Widens a data frame by decreasing the number of rows and increasing the number of columns.

Data Visualization with **esquisse**

Major concepts

- The **esquisse** package can help you to test out plots and get familiar with the syntax required to make plots

Functions

Library/Package	Piece of code	Example of usage	What it does
esquisse	<code>esquisser()</code>	<code>esquisser(Orange)</code>	Start an esquisse interactive session to create a plot of the given <code>data.frame</code> or <code>tibble</code>

* This format was adapted from the cheatsheet format from AlexsLemonade.