

Tidyverse Cheat Sheet

I want to ...	Example
View/Read in data	Read in a CSV, TSV, or other Delimited file read_csv (PATH) read_tsv (PATH) read_delim (PATH, "Single character delim")
Make a tibble from scratch or with files	tibble (variable 1, variable 2, ...)
View tibble in a new tab	view (data)
Get a glimpse of a tibble	glimpse (data)
Restructure Tibble	Apply functions to a subset of columns within a dataset, creating a new dataframe. summarise (data, function, grouping structure)
Merge multiple columns together by pasting strings together	unite (data, vector of column names, joining character, TRUE to remove used columns)
Separate single column into multiple columns	separate (data, column, into, separator, remove)
Stack data frames on top of each other by column	bind_rows (list or vector of what to bind)
Stack data frames side by side of each other by row	bind_cols (list of vector of what to bind)
Mutate joining columns from y to x, matching rows based on keys. Inner includes all rows in x and y, left includes all rows in x, right all rows in y, full all rows in x or y.	inner_join (x, y, by) left_join (x, y, by) right_join (x, y, by) full_join (x, y, by)
Sorting tibble rows by column values	arrange (data, column)
Pivot data from wide to long	pivot_longer (data, columns to pivot, names_to = "NAME", values_to = "VALUE")
Pivot data from long to wide	pivot_wider (data, columns to pivot, names_to = "NAME", values_to = "VALUE")
Grab Something from a tibble	Subset rows using column values filter (data, by) Subset columns using their names and data types. select (data, vector of columns) Group by one or more variables. group_by (data, variables or computations to group by)

	<p>Remove grouping on one or more variables. ungroup()</p> <p>Select variables that match a pattern by prefix, suffix, literal string, regular expression, numerical range. starts_with("match") ends_with("match") contains("match") matches("match") num_range(prefix that starts the numeric range, range)</p> <p>Compare/Compute the values behind/lagged or ahead/leading of the current value lag(vector of values) lead(vector of values)</p>	
Change Elements of a Tibble	<p>Add new variables and preserves existing ones; mutate(data, what to change)</p> <p>Add new variables and drop existing ones. transmute(data, what to change)</p> <p>Rename columns rename(data, new name = old name) rename_with(data, new name = old name, function)</p> <p>Replace numeric values based on their position or their name, and character or factor values only by their name recode(vector, key)</p> <p>Clean up the names of a tibble clean_names(data)</p>	
Alter a string in a tibble	<p>Join Multiple strings into a single string str_c("string1", "string2", sep)</p> <p>Remove matched patterns in a string str_remove(string, pattern) str_remove_all(string, pattern)</p> <p>Replace matched patterns in a string str_replace(string, pattern, replacement) str_replace_all(string, pattern, replacement) str_replace_na(string, pattern, replacement)</p> <p>Alter case of a string str_to_upper(string) str_to_lower(string)</p> <p>Keep strings matching a pattern str_subset(string, pattern) str_which(string, pattern) str_detect(string, pattern)</p> <p>Count the number of matches of a string str_count(string, pattern)</p>	
Other Useful Functions	<p>Do one thing if stated condition is met, do a different thing if not. if_else(condition, if true, if false)</p> <p>Vectorise multiple if_else statements case_when(statement 1, statement 2, ...)</p> <p>map(list or vector, function, additional arguments)</p>	

Apply a function to each element of a list or
vector