



Work with strings with stringr :: CHEAT SHEET

The `stringr` package provides a set of internally consistent tools for working with character strings, i.e. sequences of characters surrounded by quotation marks.

Detect Matches

	<code>str_detect(string, pattern)</code> Detect the presence of a pattern match in a string. <code>str_detect(fruit, "a")</code>
	<code>str_which(string, pattern)</code> Find the indexes of strings that contain a pattern match. <code>str_which(fruit, "a")</code>
	<code>str_count(string, pattern)</code> Count the number of matches in a string. <code>str_count(fruit, "a")</code>
	<code>str_locate(string, pattern)</code> Locate the positions of pattern matches in a string. Also <code>str_locate_all</code> . <code>str_locate(fruit, "a")</code>

Subset Strings

	<code>str_sub(string, start = 1L, end = -1L)</code> Extract substrings from a character vector. <code>str_sub(fruit, 1, 3); str_sub(fruit, -2)</code>
	<code>str_subset(string, pattern)</code> Return only the strings that contain a pattern match. <code>str_subset(fruit, "b")</code>
	<code>str_extract(string, pattern)</code> Return the first pattern match found in each string, as a vector. Also <code>str_extract_all</code> to return every pattern match. <code>str_extract(fruit, "[aeiou]")</code>
	<code>str_match(string, pattern)</code> Return the first pattern match found in each string, as a matrix with a column for each () group in pattern. Also <code>str_match_all</code> . <code>str_match(sentences, "(a the) ([^]+)")</code>

Manage Lengths

	<code>str_length(string)</code> The width of strings (i.e. number of code points, which generally equals the number of characters). <code>str_length(fruit)</code>
	<code>str_pad(string, width, side = c("left", "right", "both"), pad = " ")</code> Pad strings to constant width. <code>str_pad(fruit, 17)</code>
	<code>str_trunc(string, width, side = c("right", "left", "center"), ellipsis = "...")</code> Truncate the width of strings, replacing content with ellipsis. <code>str_trunc(fruit, 3)</code>
	<code>str_trim(string, side = c("both", "left", "right"))</code> Trim whitespace from the start and/or end of a string. <code>str_trim(fruit)</code>

Mutate Strings

	<code>str_sub()</code> <- value. Replace substrings by identifying the substrings with <code>str_sub()</code> and assigning into the results. <code>str_sub(fruit, 1, 3) <- "str"</code>
	<code>str_replace(string, pattern, replacement)</code> Replace the first matched pattern in each string. <code>str_replace(fruit, "a", "-")</code>
	<code>str_replace_all(string, pattern, replacement)</code> Replace all matched patterns in each string. <code>str_replace_all(fruit, "a", "-")</code>
	<code>str_to_lower(string, locale = "en")¹</code> Convert strings to lower case. <code>str_to_lower(sentences)</code>
	<code>str_to_upper(string, locale = "en")¹</code> Convert strings to upper case. <code>str_to_upper(sentences)</code>
	<code>str_to_title(string, locale = "en")¹</code> Convert strings to title case. <code>str_to_title(sentences)</code>

Join and Split

	<code>str_c(..., sep = "", collapse = NULL)</code> Join multiple strings into a single string. <code>str_c(letters, LETTERS)</code>
	<code>str_c(..., sep = "", collapse = NULL)</code> Collapse a vector of strings into a single string. <code>str_c(letters, collapse = "")</code>
	<code>str_dup(string, times)</code> Repeat strings times times. <code>str_dup(fruit, times = 2)</code>
	<code>str_split_fixed(string, pattern, n)</code> Split a vector of strings into a matrix of substrings (splitting at occurrences of a pattern match). Also <code>str_split</code> to return a list of substrings. <code>str_split_fixed(fruit, " ", n=2)</code>
	<code>glue::glue(..., .sep = "", .envir = parent.frame(), .open = "{", .close = "}")</code> Create a string from strings and {expressions} to evaluate. <code>glue::glue("Pi is {pi}")</code>
	<code>glue::glue_data(.x, ..., .sep = "", .envir = parent.frame(), .open = "{", .close = "}")</code> Use a data frame, list, or environment to create a string from strings and {expressions} to evaluate. <code>glue::glue_data(mtcars, "{rownames(mtcars)} has {hp} hp")</code>

Order Strings

	<code>str_order(x, decreasing = FALSE, na_last = TRUE, locale = "en", numeric = FALSE, ...)¹</code> Return the vector of indexes that sorts a character vector. <code>x[str_order(x)]</code>
	<code>str_sort(x, decreasing = FALSE, na_last = TRUE, locale = "en", numeric = FALSE, ...)¹</code> Sort a character vector. <code>str_sort(x)</code>

Helpers

	<code>str_conv(string, encoding)</code> Override the encoding of a string. <code>str_conv(fruit, "ISO-8859-1")</code>
	<code>str_view(string, pattern, match = NA)</code> View HTML rendering of first regex match in each string. <code>str_view(fruit, "[aeiou]")</code>
	<code>str_view_all(string, pattern, match = NA)</code> View HTML rendering of all regex matches. <code>str_view_all(fruit, "[aeiou]")</code>
	<code>str_wrap(string, width = 80, indent = 0, exdent = 0)</code> Wrap strings into nicely formatted paragraphs. <code>str_wrap(sentences, 20)</code>

¹ See bit.ly/ISO639-1 for a complete list of locales.

