

String manipulation 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>	TRUE FALSE
<code>str_which(string, pattern)</code>	Find the indexes of strings that contain a pattern match.
<code>str_which(fruit, "a")</code>	1 2 3 4 5 NA NA
<code>str_count(string, pattern)</code>	Count the number of matches in a string.
<code>str_count(fruit, "a")</code>	0 1 2 2 4 3 NA NA 3 4
<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>	NA NA NA NA

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>	str_sub(fruit, 1, 3); str_sub(fruit, -2)
<code>str_replace(string, pattern, replacement)</code>	Replace the first matched pattern in each string. <code>str_replace(fruit, "a", "o")</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")</code>	Convert strings to lower case. <code>str_to_lower(sentences)</code>
<code>str_to_upper(string, locale = "en")</code>	Convert strings to upper case. <code>str_to_upper(sentences)</code>
<code>str_to_title(string, locale = "en")</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>	str_c(letters, LETTERS)
<code>str_c(..., sep = "", collapse = NULL)</code>	Collapse a vector of strings into a single string.
<code>str_c(letters, collapse = "")</code>	str_c(letters, collapse = "")
<code>str_dup(string, times)</code>	Repeat strings times
<code>str_dup(fruit, times = 2)</code>	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>

Order Strings

<code>str_order(x, decreasing = FALSE, na_last = TRUE, locale = "en", numeric = FALSE, ...)</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, ...)</code>	Sort a character vector.
<code>str_sort(x)</code>	
<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)</code>	View HTML rendering of first regex match in each string. <code>str_view(fruit, "[aeiou]")</code>
<code>str_view_all(string, pattern)</code>	View HTML rendering of all regex matches.
<code>str_view_all(fruit, "[aeiou])</code>	
<code>str_glue(data, ..., sep = "", envir = parent.frame(), na.rm = TRUE)</code>	Use a data frame, list, or environment to create a string from strings and {expressions} to evaluate. <code>str_glue("pi is {pi}")</code>
<code>str_glue(data, ..., sep = "", envir = parent.frame(), na.rm = TRUE)</code>	Use a data frame, list, or environment to create a string from strings and {expressions} to evaluate. <code>str_glue(data(mtcars), "rownames(mtcars) has {hp}/hp")</code>
<code>str_wrap(string, width = 80, indent = 0, exdent = 0)</code>	Wrap strings into nicely formatted paragraphs. <code>str_wrap(sentences, 20)</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>	str_sub(fruit, 1, 3); str_sub(fruit, -2)
<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. 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 vector. Also <code>str_extract_all</code> to return every pattern match. <code>str_match(sentences, "(at re)([^n]+)")</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", "both"), 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>
<code>str_truncn(string, n)</code>	



