Week 5 Day 1: Working with Strings

1. What inputs do str\_XXXX() functions require?
2. Fill in the regular expression table below.

| Regular Expression | Example | What does this expression it mean (in words)? |
| --- | --- | --- |
| ^ | "^California State" |  |
| $ | "State University$" |  |
| + | "St\\.+" |  |
| \* | "\\s\*-\\s\*" |  |
| {a} | "[A-Z]{4}" |  |
| {a,b} | "[A-Z]{4,6}" |  |
| {a,} | "[A-Z]{4,}" |  |
| () | "(T|t)ech" |  |
| | | "(T|t)ech" |  |
| [A-Z] | "[A-Z]{4,}" |  |
| [:alnum:] | "[:digit:]+" |  |
| [:punct:] | "[:punct:]{2,}" |  |
| [^] | "[^University]" |  |
| ^[^] | "^[^University]" |  |

1. Fill in the table on stringr functions below.

|  |  |  |
| --- | --- | --- |
| Function | **Example** | **What does this function do?** |
| str\_detect(x, pattern = ...) | str\_detect(my\_vector, pattern = "Bond") |  |
| str\_replace(x, pattern = ..., replacement = ...) | str\_replace(my\_vector, pattern = "Bond", replace = "Franco") |  |
| str\_remove(x, pattern = ...) | str\_remove(my\_vector, pattern = "Bond") |  |
| str\_length() | str\_length(INSTNM) |  |
| str\_sub(x, a, b) | str\_sub(INSTNM, start = 1, end = 8) |  |
| str\_pad(x, side = ...) | str\_pad(INSTNM, width = 20, pad = "\_") |  |
| str\_to\_lower() | str\_to\_lower(INSTNM) |  |
| str\_to\_upper() | str\_to\_upper(INSTNM) |  |
| str\_to\_title() | str\_to\_title(INSTNM) |  |
| str\_trim(x) | str\_to\_trim(INSTNM, side = "both") |  |