Getting / cleaning data 2

Selecting columns using regular

expressions

Tidy select

There are tidyverse functions to make selecting variables more straightforwards. You can call these functions as arguments of the select function to streamline variable selection. Examples include: starts_with(), ends_with(), and contains().

Tidy select (helpers)

Here we use starts_with("t") to select all variables that begin with t.

```
titanic_train %>%
select(starts_with("t")) %>%
slice(1:3)
```

```
## Ticket
## 1 A/5 21171
## 2 PC 17599
## 3 STON/02. 3101282
```

Tidy select

The are also tidyverse functions that allow us to easily operate on a selection of variables. These functions are called scoped varients. You can identity these functions by these _all, _at, and _if suffixes.

Tidy select (*_if)

Here we use select_if to select all the numeric variables in a dataframe and covert their names to lower case (a handy function to tidy the variable names).

```
titanic_train %>%
  select_if(is.numeric, tolower) %>%
  slice(1:3)
```

Tidy select (*_if)

The select_if function takes the following form.

Tidy select (*_at)

Here we use select_at to select all the variables that contain ss in their name and then covert their names to lower case (a handy function to tidy the variable names).

```
titanic_train %>%
  select_at(vars(contains("ss")), tolower) %>%
  slice(1:3)
```

```
## passengerid pclass
## 1 1 3
## 2 2 1
## 3 3 3
```