Pipes

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```
read.csv("../data-raw/surveys.csv") %>% # Read the data set
  select(year, month, day, species_id, weight) -> surveys1_pipe # select columns and assign to object

#name_object <- ode that we want to run
```

```
surveys %>% select(year, species_id, weight) %>% mutate(weight_kg = weight/1000) %>% filter(!is.na(weigh
select(year, species_id, weight_kg) %>%
filter(species_id == "SH") -> surveys_final
str(surveys_final)
```

```
## 'data.frame':    141 obs. of  3 variables:
##  $ year      : int  1978 1982 1982 1986 1987 1987 1987 1987 1987 1988 ...
##  $ species_id: chr  "SH" "SH" "SH" "SH" ...
##  $ weight_kg : num  0.089 0.106 0.052 0.055 0.077 0.078 0.104 0.058 0.052 0.06 ...
```

```
read.csv(file = "../data-raw/surveys.csv") %>%
  filter(species_id == "DS", !is.na(weight)) -> ds_data
str(ds_data)
```

```
## 'data.frame':    2344 obs. of  9 variables:
##  $ record_id      : int  357 362 367 377 381 383 385 389 392 394 ...
##  $ month          : int  11 11 11 11 11 11 11 11 11 11 ...
##  $ day            : int  12 12 12 12 13 13 13 13 13 13 ...
##  $ year           : int  1977 1977 1977 1977 1977 1977 1977 1977 1977 1977 ...
##  $ plot_id        : int  9 1 20 9 17 11 17 14 11 4 ...
##  $ species_id     : chr  "DS" "DS" "DS" "DS" ...
##  $ sex            : chr  "F" "F" "M" "F" ...
##  $ hindfoot_length: int  50 51 51 48 48 52 50 NA 53 48 ...
##  $ weight         : int  117 121 115 120 118 126 132 113 122 107 ...
```

```
ds_data %>% arrange(year) -> ds_data_by_year
str(ds_data_by_year)
```

```
## 'data.frame':    2344 obs. of  9 variables:
##  $ record_id      : int  357 362 367 377 381 383 385 389 392 394 ...
##  $ month          : int  11 11 11 11 11 11 11 11 11 11 ...
##  $ day            : int  12 12 12 12 13 13 13 13 13 13 ...
##  $ year           : int  1977 1977 1977 1977 1977 1977 1977 1977 1977 1977 ...
##  $ plot_id        : int  9 1 20 9 17 11 17 14 11 4 ...
```

```
##  $ species_id     : chr  "DS" "DS" "DS" "DS" ...
##  $ sex            : chr  "F" "F" "M" "F" ...
##  $ hindfoot_length: int  50 51 51 48 48 52 50 NA 53 48 ...
##  $ weight         : int  117 121 115 120 118 126 132 113 122 107 ...
```

```
ds_data_by_year %>% select(year, weight) -> ds_weight_by_year
str(ds_weight_by_year)
```

```
## 'data.frame':    2344 obs. of  2 variables:
##  $ year  : int  1977 1977 1977 1977 1977 1977 1977 1977 1977 1977 ...
##  $ weight: int  117 121 115 120 118 126 132 113 122 107 ...
```