Transforming data

(number of rows doesn't change)

slides/09-Transforming.pdf

Summary

Rename columns
   rename(*new name = old name*)

Alter data within a column
   mutate(*column = ...*)

Add a column
   mutate(*new column = ...*)

Renaming columns

rename(*new name = old name*)

```
iris %>%
  rename(sepal_length = Sepal.Length)
```

Alter data within a column

mutate(*column = ...*)

```
df %>%
  mutate(GDP = GDP/1000)
```

Add a column

mutate(*column = ...*)

```
df %>%
  mutate(GDPNEW = GDP/1000)
```

Numbers to two categories

if_else(*test, if yes, if no*)

```
iris %>%
  mutate(SLgroup =
    if_else(Sepal.Length >
           mean(Sepal.Length),
       "high", "low"))
```

Numbers to > 2 categories

case_when(*test1, test2, ... (TRUE)***)**

```
df %>% mutate(temp_group =
              case_when(
                temp < 32 ~ "freezing",
                temp < 50 ~ "cold",
                temp < 65 ~ "cool",
                temp < 75 ~ "nice",
                temp < 85 ~ "warm",
                TRUE ~ "hot"
              )
)
```

Practice

`labs/09-Transforming.Rmd`

Rename columns
   rename(*new name = old name*)

Alter data within a column
   mutate(*column = ...*)

Add a column
   mutate(*new column = ...*)