

# Subsetting Data

(data doesn't change)

`slides/08-Subsetting.pdf`

# Summary

## Subset

`filter(logical test)`

`slice(row numbers)`

`sample_n(number of rows)`

`select(columns)`

## Reorder

`arrange(column name)`

`select(column names)`

# Subsetting rows

*filter(logical test)*

```
filter(mtcars, mpg > 30)
```

```
mtcars %>%  
  filter(mpg > 30)
```

*base R*

```
mtcars[mtcars$mpg > 25, ]
```

# Subsetting rows

*slice(row numbers)*

```
mtcars %>%  
  slice(5:7)
```

# Subsetting rows

`sample_n(number of rows)`

```
mtcars %>%  
  sample_n(4)
```

# Subsetting columns

`select(columns)`

```
mtcars %>%  
  select(mpg, hp)
```

# Reordering rows

`arrange(column name)`

```
mtcars %>%  
  arrange(mpg)
```

# Reordering columns

`select(column names)`

`mtcars %>%`

`select(mpg:am, carb, gear)`



# Practice

labs/08-Subsetting.Rmd

## Subset

- `filter(logical test)`
- `slice(row numbers)`
- `sample_n(number of rows)`
- `select(columns)`

## Reorder

- `arrange(column name)`
- `select(column names)`