

## Reading in Data

```
IPEDS <- read_csv(here::here("data",  
                             "<NAME OF DATASET.csv>"))  
)
```

**Note:** The name of the dataset will change, but it will always need to have the .csv at the end of its name!

## Calculating Summary Statistics for One Numerical Variable

```
favstats(~ <NAME OF VARIABLE>, data = <NAME OF DATASET>)
```

**Note:** The ~ **must** be included *before* the name of the variable!

## Histogram

```
ggplot(data = <NAME OF DATASET>,  
       mapping = aes(x = <NAME OF VARIABLE>)) +  
  geom_histogram(binwidth = <WIDTH OF BINS>) +  
  labs(x = "<TITLE FOR THE X-AXIS>")
```

**Note:** A histogram **must** have the variable on the x-axis!

## Dotplot

```
ggplot(data = <NAME OF DATASET>,  
       mapping = aes(x = <NAME OF VARIABLE>)) +  
  geom_dotplot() +  
  labs(x = "<TITLE FOR THE X-AXIS>")
```

**Note:** A dotplot **must** have the variable on the x-axis!

## Boxplot

```
ggplot(data = <NAME OF DATASET>,  
       mapping = aes(x = <NAME OF VARIABLE>)) +  
  geom_boxplot() +  
  labs(x = "<TITLE FOR THE X-AXIS>")
```

**Note:** This boxplot is horizontal. If you want for your boxplot to be vertical, you use **y** = instead of **x** = . Keep in mind you will need to change the location of you axis label, too!