

# Week 8 Class

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First let's load in the Starbucks data.

## For all Pastries

Now, let's look at the mean, standard deviation and sample size of the calorie variable.

```
starbucks %>%  
  summarise(  
    mean_cal = mean(calories),  
    sd_cal = sd(calories),  
    n_cal = n())
```

```
## # A tibble: 1 x 3  
##   mean_cal sd_cal n_cal  
##   <dbl> <dbl> <int>  
## 1    339.   105.    77
```

Or in base R:

```
xbar_cal <- mean(starbucks$calories)  
s_cal <- sd(starbucks$calories)  
n_cal <- length(starbucks$calories)
```

The 95% CI for mean calories is .....

## For Petite Pastries only

```
## Use some type of filtering to get only type="petite"
```

```
## Now calculate the mean, sd and sample size of the petite pastry calories.
```

The 95% CI for mean calories in petite pastries is .....