

# Mental Accounting in College: Students and 'Free Money'

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*Spring Semester Dates* Campus Open: 1/20/19, Start: 1/22/19, End: 5/8/19, Campus Closed: 5/20/19

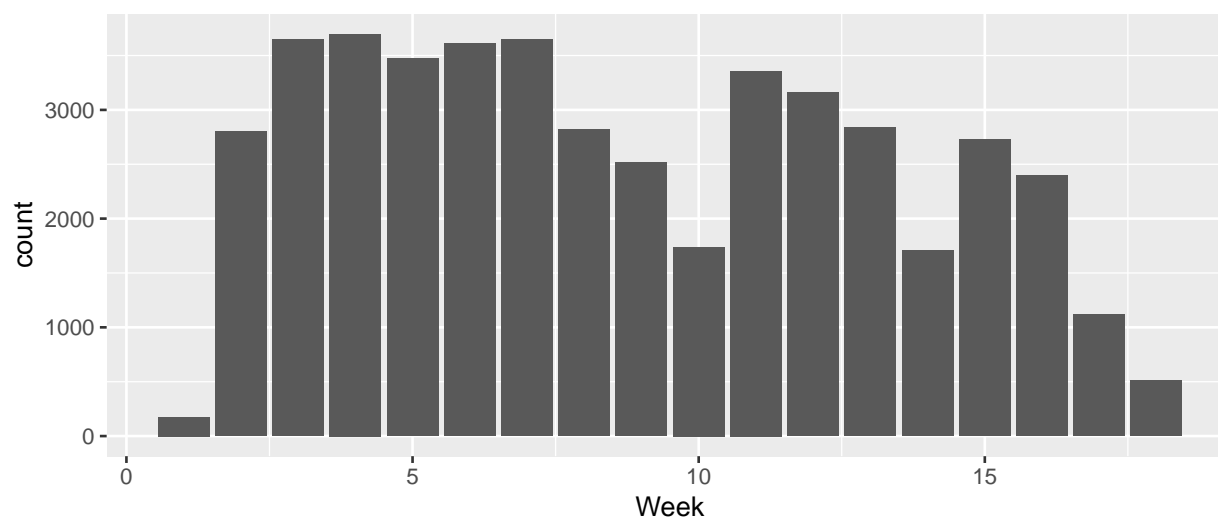
*Fall Semester Dates* Campus Open: 8/31/19 Start: 9/3/19, End: 12/11/19, Campus Closed: 12/21/19

```
flex_data <- read_csv("flex_data.csv")
flex_data <- flex_data %>% mutate(Time = mdy_hm(Time)) %>% mutate(Week = week(Time))

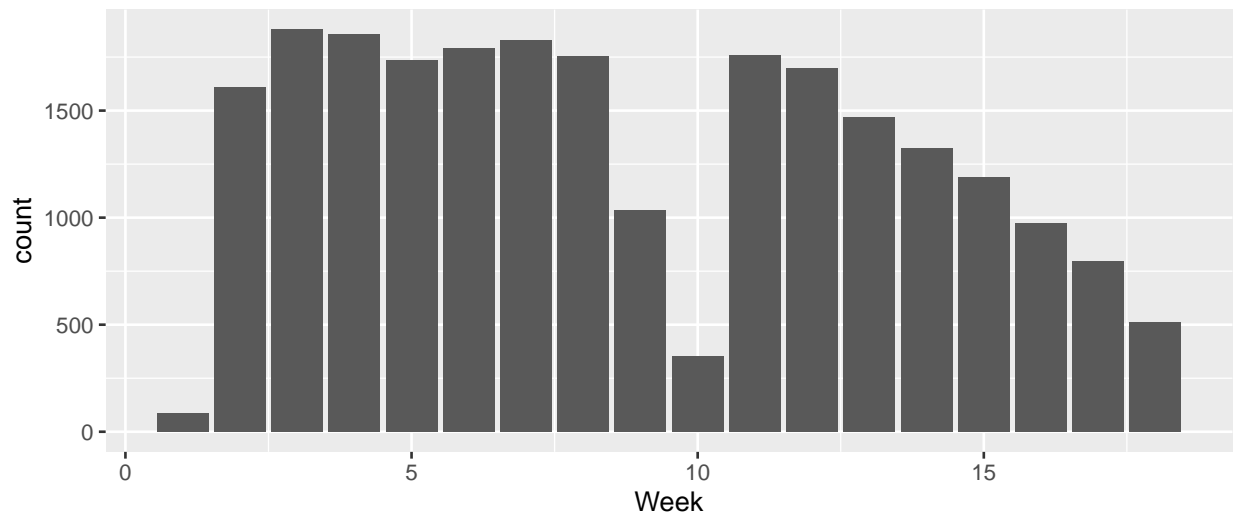
flex_data <- flex_data %>% filter(Time >= '2019-01-20' & Time <= '2019-12-19') %>% filter(Price > 0)

spring <- flex_data %>% filter(Time <= '2019-5-20') %>% mutate(Week = Week-2)
fall <- flex_data %>% filter(Time >= '2019-8-31') %>% mutate(Week = Week-34)
spring_and_fall <- full_join(spring, fall)

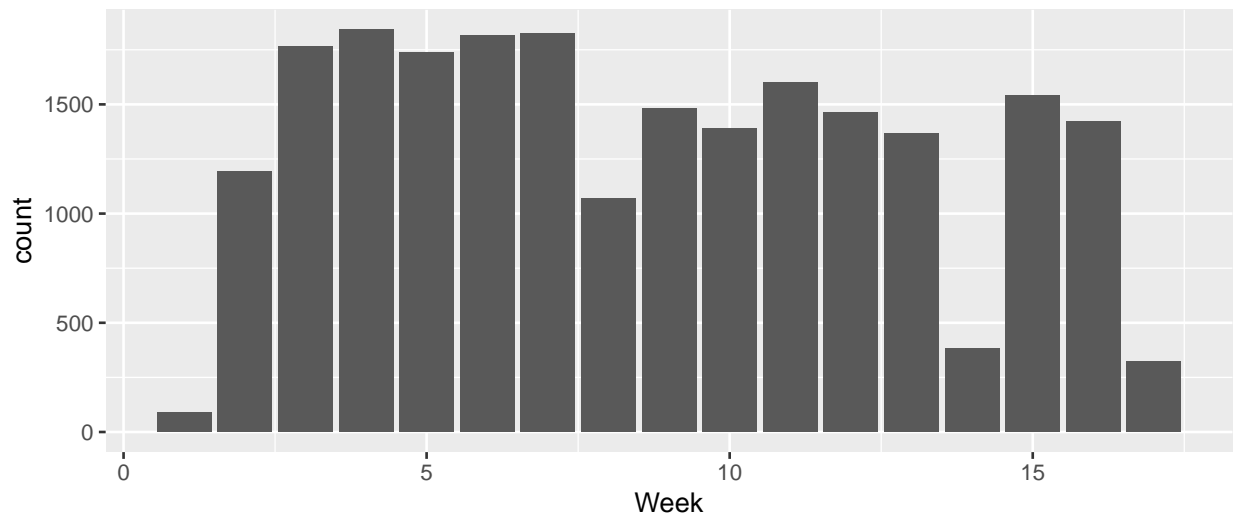
#Transactions by week
ggplot(spring_and_fall) + geom_bar(aes(x=Week))
```



```
ggplot(spring) + geom_bar(aes(x=Week))
```



```
ggplot(fall) + geom_bar(aes(x=Week))
```



```
#Purchases by week
fall %>% group_by(Week) %>% summarize(Total = sum(Price))
```

```
## # A tibble: 17 x 2
##   Week Total
##   <dbl> <dbl>
## 1     1  399.
## 2     2 5292.
## 3     3 8516.
## 4     4 8287.
## 5     5 7897.
## 6     6 8143.
## 7     7 7949.
## 8     8 4554.
```

```
## 9      9 6447.
## 10     10 5989.
## 11     11 6890.
## 12     12 6381.
## 13     13 6540.
## 14     14 1958.
## 15     15 8823.
## 16     16 9479.
## 17     17 2383.
```

```
spring %>% group_by(Week) %>% summarize(Total = sum(Price))
```

```
## # A tibble: 18 x 2
##   Week Total
##   <dbl> <dbl>
## 1      1  479.
## 2      2 7335.
## 3      3 8662.
## 4      4 8329.
## 5      5 7811.
## 6      6 8057.
## 7      7 7424.
## 8      8 7338.
## 9      9 4512.
## 10     10 1537.
## 11     11 7833.
## 12     12 7092.
## 13     13 6141.
## 14     14 5516.
## 15     15 5017.
## 16     16 4322.
## 17     17 4121.
## 18     18 3624.
```

```
spring_and_fall %>% group_by(Week) %>% summarize(Total = sum(Price))
```

```
## # A tibble: 18 x 2
##   Week Total
##   <dbl> <dbl>
## 1      1  878.
## 2      2 12626.
## 3      3 17177.
## 4      4 16616.
## 5      5 15707.
## 6      6 16200.
## 7      7 15373.
## 8      8 11891.
## 9      9 10959.
## 10     10  7526.
## 11     11 14723.
## 12     12 13473.
## 13     13 12681.
## 14     14  7474.
```

##	15	15	13840.
##	16	16	13801.
##	17	17	6504.
##	18	18	3624.