Staffing Analysis

Allocate Analytics
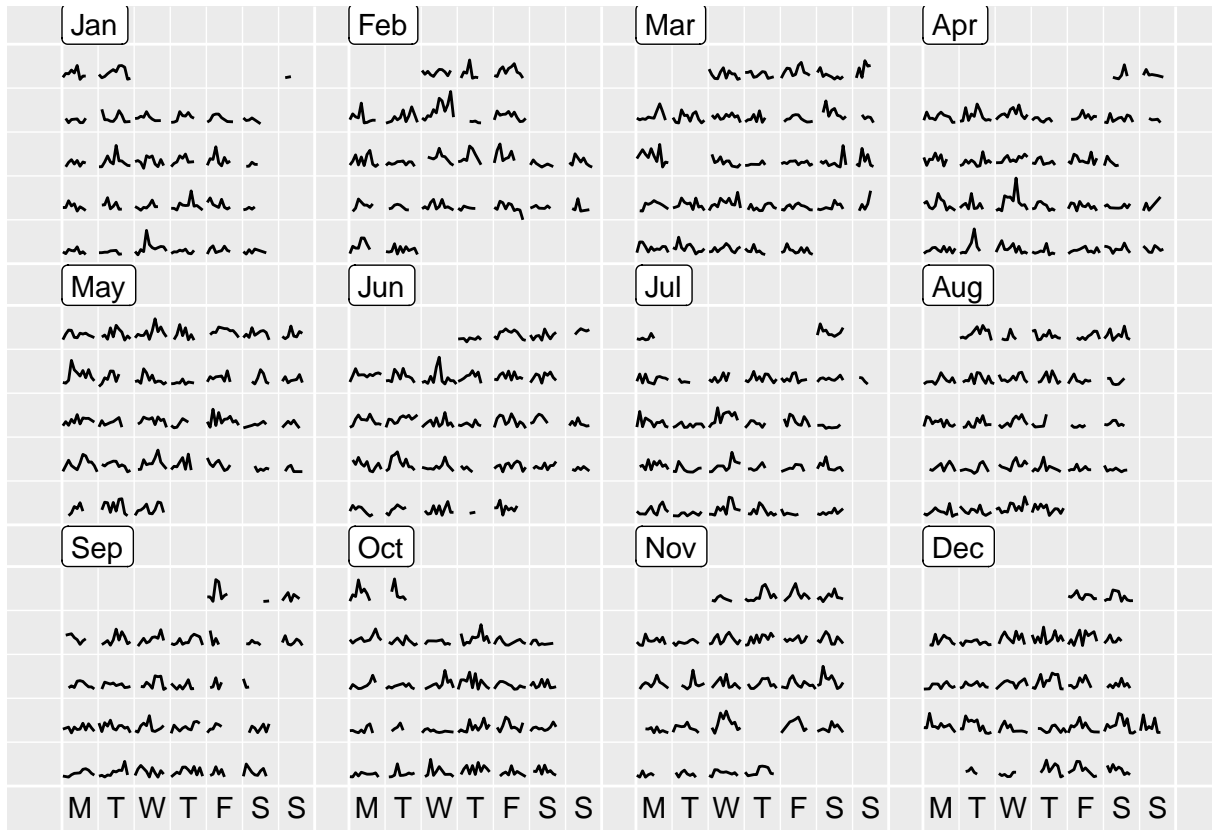
March 16, 2018

2018 Calendar Plot

2017 Calendar Plot

```
## [1] 3 2
```


Jan   **Feb**   **Mar**   **Apr**

May   **Jun**   **Jul**   **Aug**

Sep   **Oct**   **Nov**   **Dec**

M T W T F S S   M T W T F S S   M T W T F S S   M T W T F S S
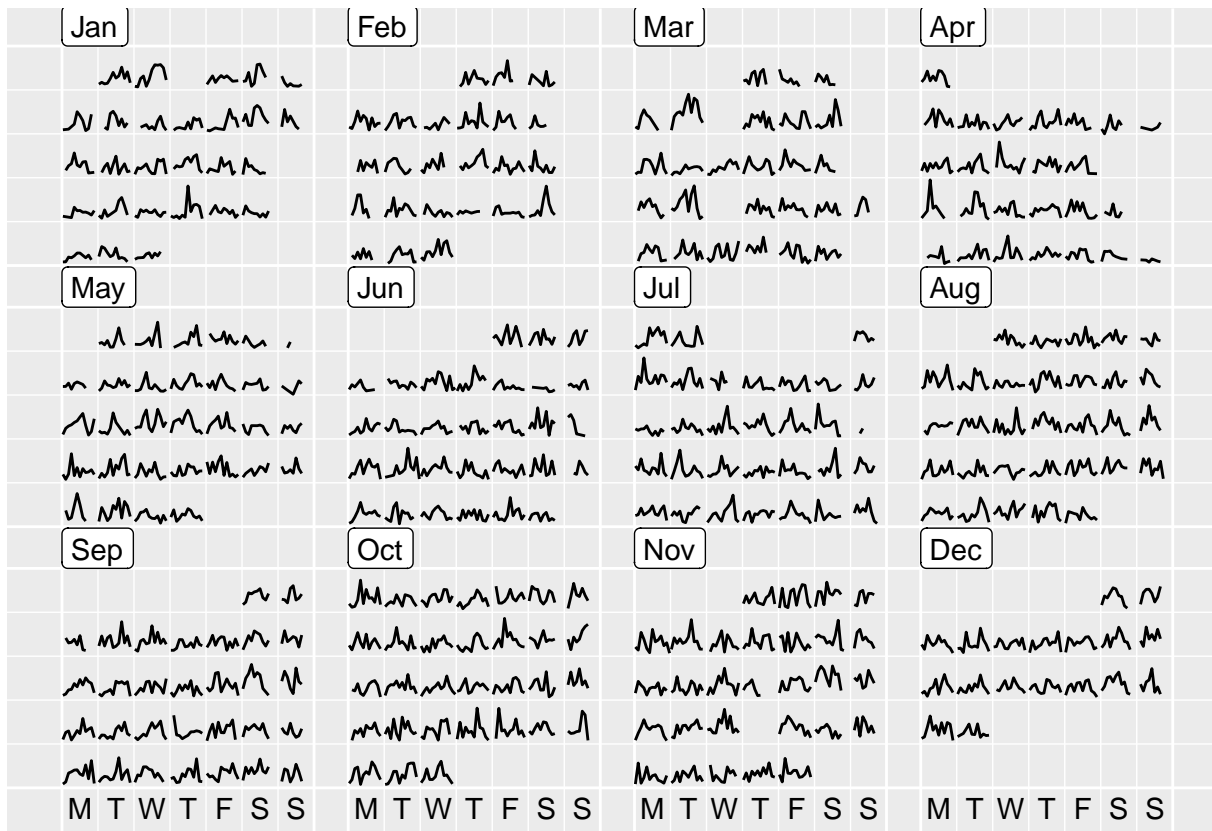
## Comments and Trends

1 Almost no big days until 2nd weekend of April and hen it's Fri, Sat, Sun 2 Weekdays start getting consistently big after Memorial Day 3 Weekdays slow down after Labor Day 4 October weekdays even slower than Sept. 5 Beginning around Halloween Saturday is really the main big weekend day until the week before Xmas and except for Thanksgiving weekend

2016 Calendar Plot
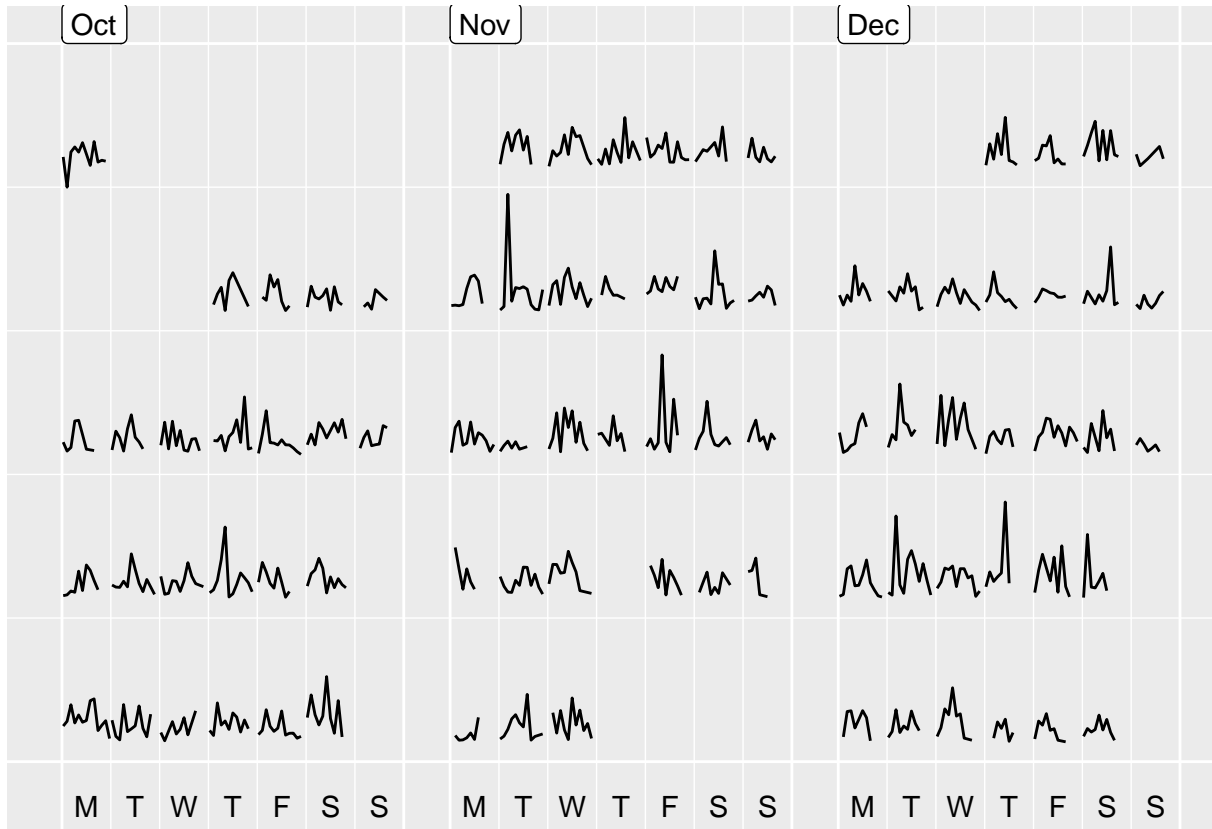
Off Peak Minimum Staffing

```
##  [1] Department      Category        Supplier        ItemID
##  [5] Description      Qty.Sold        Sold.Price      Total.Sales
##  [9] Transaction      Date.Sold       Register        Cashier
## [13] Year            Month           Item            Dept.By.Year
## [17] Categ.By.Year   Date.Sold.Round Hour            Weekday
## <0 rows> (or 0-length row.names)

##  [1] Department      Category        Supplier        ItemID
##  [5] Description      Qty.Sold        Sold.Price      Total.Sales
##  [9] Transaction      Date.Sold       Register        Cashier
## [13] Year            Month           Item            Dept.By.Year
## [17] Categ.By.Year   Date.Sold.Round Hour            Weekday
## <0 rows> (or 0-length row.names)

## [1] 9
##   Total.Sales
## 1      130.99
## 2       83.98
## 3       34.99
## 4      125.96
## 5       48.78
## 6       11.94
```

```
## [1] "numeric"
## [1] "numeric"
## [1] 10
##    Total.Sales
## 1        30.95
## 2       279.43
## 3       270.78
## 4       437.54
## 5       146.04
## 6        57.33
## [1] "numeric"
## [1] "numeric"
## [1] 11
##    Total.Sales
## 1        76.97
## 2       183.07
## 3       135.97
## 4       180.92
## 5        39.07
## 6        45.34
## [1] "numeric"
## [1] "numeric"
## [1] 12
##    Total.Sales
## 1        46.12
## 2       171.29
## 3       238.66
## 4       248.47
## 5       269.85
## 6       270.19
## [1] "numeric"
## [1] "numeric"
## [1] 13
##    Total.Sales
## 1       131.95
## 2        76.98
## 3        12.72
## 4       229.66
## 5        59.35
## 6       224.77
## [1] "numeric"
## [1] "numeric"
## [1] 14
##    Total.Sales
## 1        70.40
## 2        10.74
## 3       190.69
## 4       146.37
## 5        37.98
## 6       175.98
## [1] "numeric"
## [1] "numeric"
## [1] 15
##    Total.Sales
```
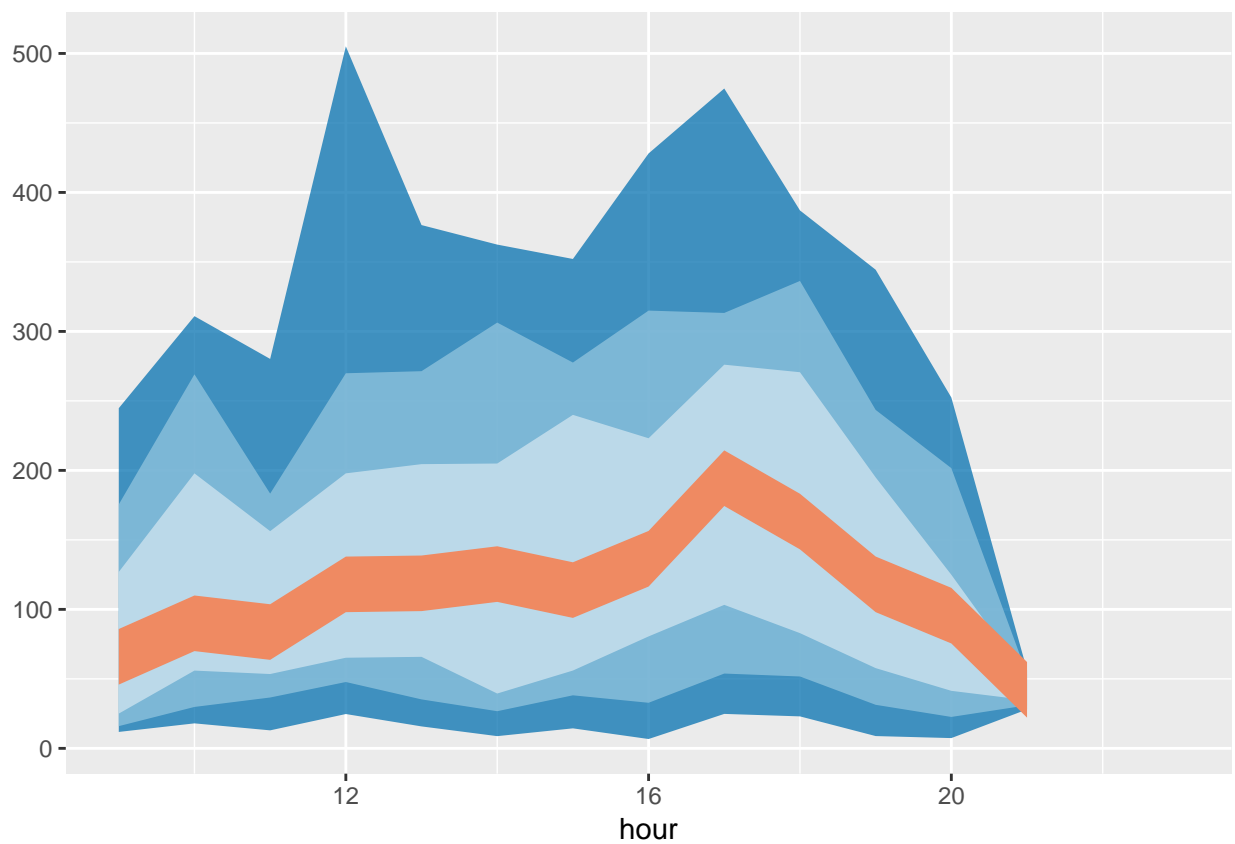
```
## 1       150.24
## 2        66.02
## 3        12.99
## 4        38.16
## 5       277.59
## 6        87.84
## [1] "numeric"
## [1] "numeric"
## [1] 16
##    Total.Sales
## 1        80.42
## 2         3.38
## 3       191.07
## 4       154.72
## 5       187.20
## 6        29.99
## [1] "numeric"
## [1] "numeric"
## [1] 17
##    Total.Sales
## 1        33.99
## 2        52.76
## 3       206.66
## 4       150.34
## 5       295.56
## 6       276.07
## [1] "numeric"
## [1] "numeric"
## [1] 18
##    Total.Sales
## 1       176.49
## 2       207.51
## 3       151.96
## 4       367.89
## 5        65.87
## 6        80.86
## [1] "numeric"
## [1] "numeric"
## [1] 19
##    Total.Sales
## 1       164.72
## 2        54.99
## 3       196.01
## 4       175.61
## 5       176.95
## 6        52.66
## [1] "numeric"
## [1] "numeric"
## [1] 20
##    Total.Sales
## 1       119.98
## 2        32.99
## 3        74.97
## 4       108.56
```

```
## 5        22.63
## 6       110.98
## [1] "numeric"
## [1] "numeric"
## [1] 21
##   Total.Sales
## 1       56.97
## 2       27.26
## [1] "numeric"
## [1] "numeric"
## [1] 22
## [1] Total.Sales
## <0 rows> (or 0-length row.names)
## [1] "numeric"
## [1] "numeric"
## [1] 23
## [1] Total.Sales
## <0 rows> (or 0-length row.names)
## [1] "numeric"
## [1] "numeric"
```


Prophet Trends