

Personal Spotify Listening Data Analysis

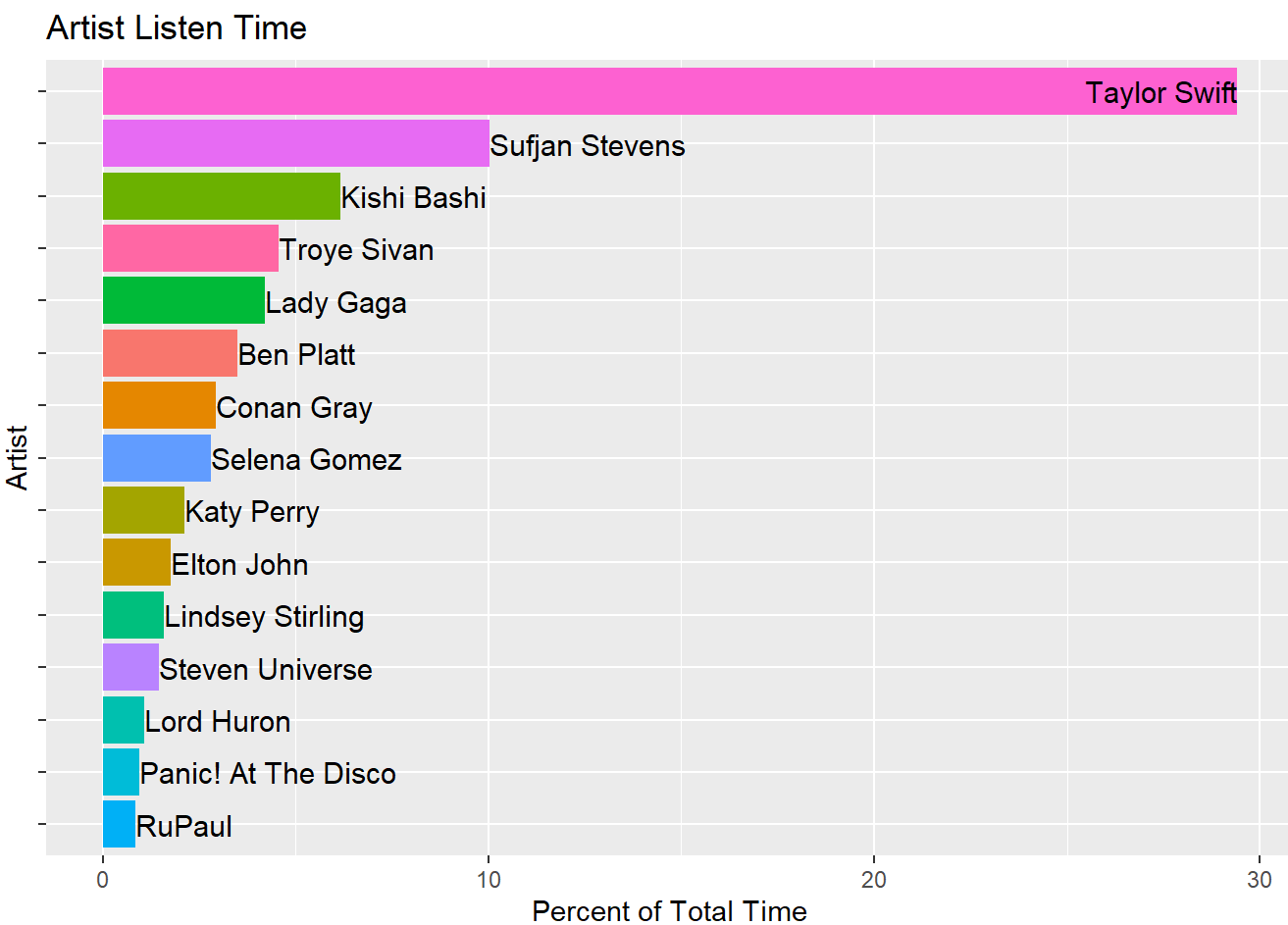
Darren Upton

```
folder<- "MyData"  
#folder<- "Nats_Data"
```

```
Analyze_Data(folder)
```

```
## Joining, by = "track"
```

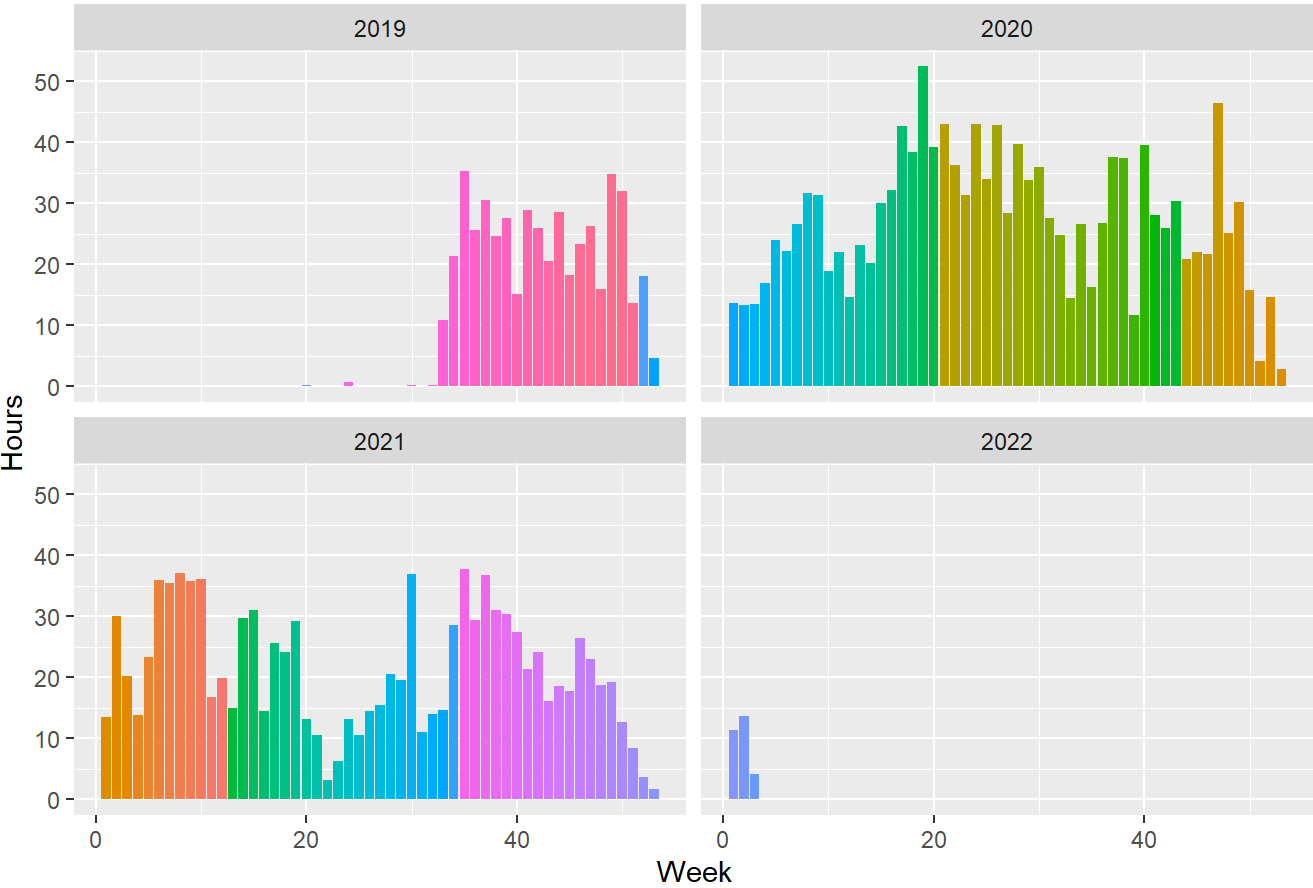
```
##      <td style="text-align:right;"> 140 </td>
##    </tr>
##    <tr>
##      <td style="text-align:right;"> 30 </td>
##      <td style="text-align:left;"> Taro Umebayashi </td>
##      <td style="text-align:right;"> 11.6 </td>
##      <td style="text-align:left;"> RAIN </td>
##      <td style="text-align:right;"> 139 </td>
##    </tr>
##  </tbody>
## </table>
## [[2]]
```



```
General_Use(Data)
```

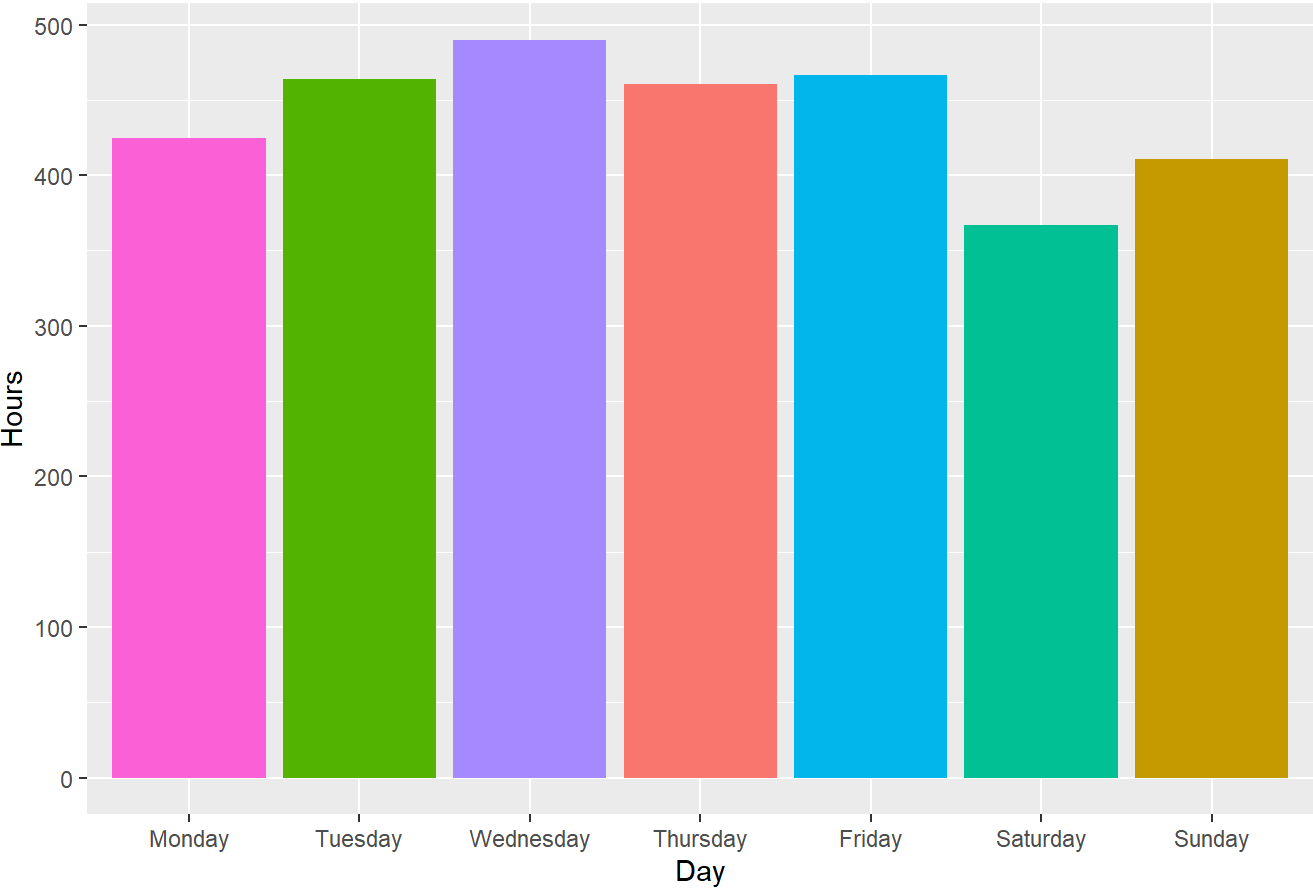
```
## [[1]]
```

Weekly Listening



```
##  
## [[2]]
```

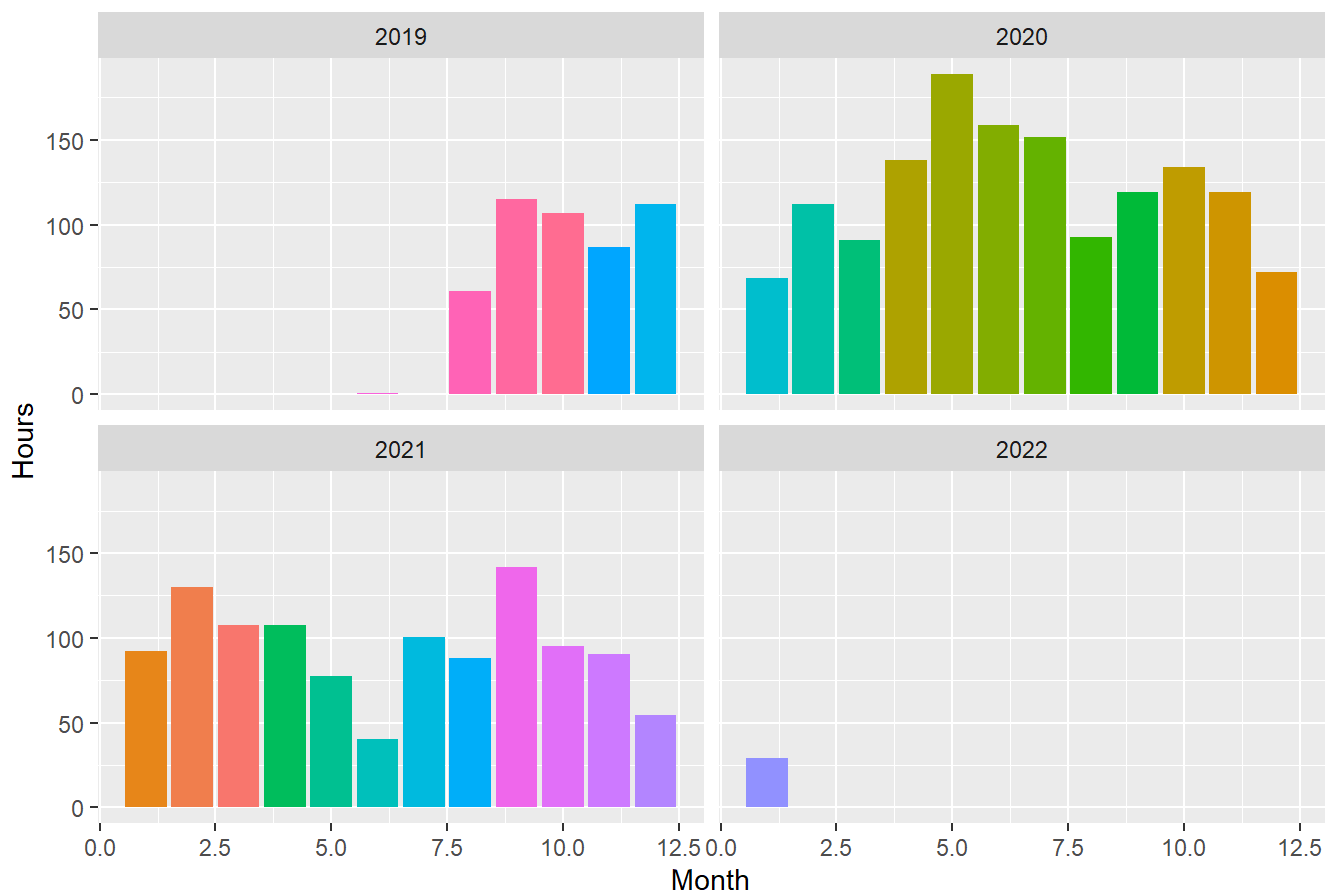
Day of Week Listening



```
## [[3]]
```



Monthly Listening



```
Listening_Data<-Data
save(Listening_Data,file="ListeningData.Rdata")
```

```
Data<-Data %>% mutate(year=year(as.Date(Data$endTime)))
Data %>% filter(artistName==Combined$artistName[1:10]) %>% mutate(month=month(endTime)) %>%
  select(artistName,hrPlayed,month,year) %>% group_by(year,month,artistName) %>%
  summarize_all(function(x) round(sum(x),2)) %>%
  ggplot() + geom_bar(aes(x=month,y=hrPlayed,fill=artistName),stat="identity") +
  facet_wrap(~year,nrow=2) + #theme(legend.position="none") +
  labs(title="Monthly Listening",x="Month", y="Hours")
```

```
## Warning in `==.default`(artistName, Combined$artistName[1:10]): longer object
## length is not a multiple of shorter object length
```

```
## Warning in is.na(e1) | is.na(e2): longer object length is not a multiple of
## shorter object length
```

Monthly Listening

