# Uber report

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## Loading libraries

```
library(reticulate)
library(lubridate)
```

## Importing python modules

Used python to plot different density plots.

```
use_python("C:\\Users\\shahz\\AppData\\Local\\Programs\\Python\\Python39\\python.exe")

sns <- import('seaborn')
pd <- import('pandas')
plt <- import('matplotlib.pyplot')
```

## Loading data

```
data <- read.csv("uber.csv")
data$Date.Time <- as.Date(data$Date.Time, format = "%m/%d/%Y %H:%M:%S")
data$Day <- format(data$Date, format="%d")
data$weekday <- as.numeric(format(data$Date.Time, format = "%w"))
data$Hour <- format(data$Date, format="%H")
```

## Day density

```
sns$distplot(data["Day"])
```

```
## AxesSubplot(0.125,0.11;0.775x0.77)
```

```
plt$show()
```

##Week Day Density

```
sns$distplot(data["weekday"])
```

```
## AxesSubplot(0.125,0.11;0.775x0.77)
```

```
plt$show()
```

### Hour density

```
plt$ylim(0, 1)
```

```
## [[1]]
## [1] 0
##
## [[2]]
## [1] 1
```

```
sns$distplot(data["Hour"])
```

```
## AxesSubplot(0.125,0.11;0.775x0.77)
```

```
plt$show()
```