Activity 1

Mahdis Moghadasi

Main Research Interest

My main research interests are landuse changes and environmental planning, accessibility, Transportation planning and Machine Learning.

During my Master education, my supervisor and I have published two articles on how land use changes during 1996-2016 in one of Iran's metropolitan areas and I also researched about the potential accessibility of the transportation network in Iran in my master's thesis. Since I was faced with a large amount of data so I decided to learn machine learning and data analysis.

In addition, I will also be researching mobility justice in my PhD, which is of great interest to me both in terms of data analysis and in terms of subject matter. Because I think the achievements of this study will have a tremendous impact on the lives of citizens and It will also have great scientific achievements for me as a PhD student.

Favorites

Favorite Music

1. The Last Time
   - Taylor Swift
2. Million Reasons
   - Lady Gaga
3. Bored
   - Billie Eilish
4. Memories
   - Maroon 5
5. Little do you know
   - Alex & Sierra

Favorite Equation

$(x^3 + 4 * x^2)/sqrt(x + 3)$

Favorite Artists

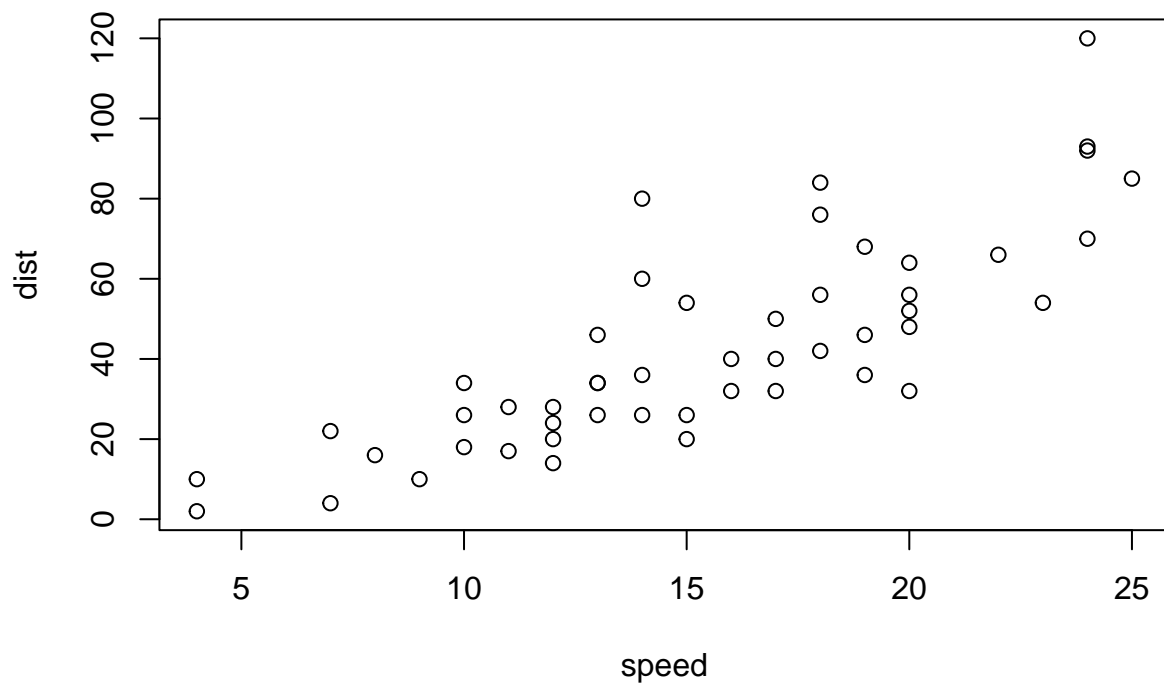| Name	Achievement
Taylor Swift	Taylor is the first female solo act to win the Grammy for "Album of the Year" twice
Lady Gaga	In 2020, Lady Gaga became the first person to be honored with the MTV Tricon award. This award was created to celebrate "highly accomplished artists across three disciplines."
shakira	Rock singer Shakira is ten-time Grammy Award winner.
Adele	English singer-songwriter Adele has received various awards and nominations. She is the recipient of nine Brit Awards, an Academy Award, a Golden Globe Award, fifteen Grammy Awards, eighteen Billboard Music Awards, five American Music Awards, and two Ivor Novello Awards for Songwriter of the Year.
Celine Dion	Dion has won over 100 awards, including the Lifetime Achievement Icon Award, The Canadian Arts & Fashion International Style Icon Award, 5 Grammys and was appointed one of France's "Chevalier de la Légion d'Honneur" for her merits and contributions to France.

A chunk of code

Part 1

```
data(cars)
str(cars)
```

```
## 'data.frame':    50 obs. of  2 variables:
##  $ speed: num  4 4 7 7 8 9 10 10 10 11 ...
##  $ dist : num  2 10 4 22 16 10 18 26 34 17 ...
```

```
summary(cars)
```
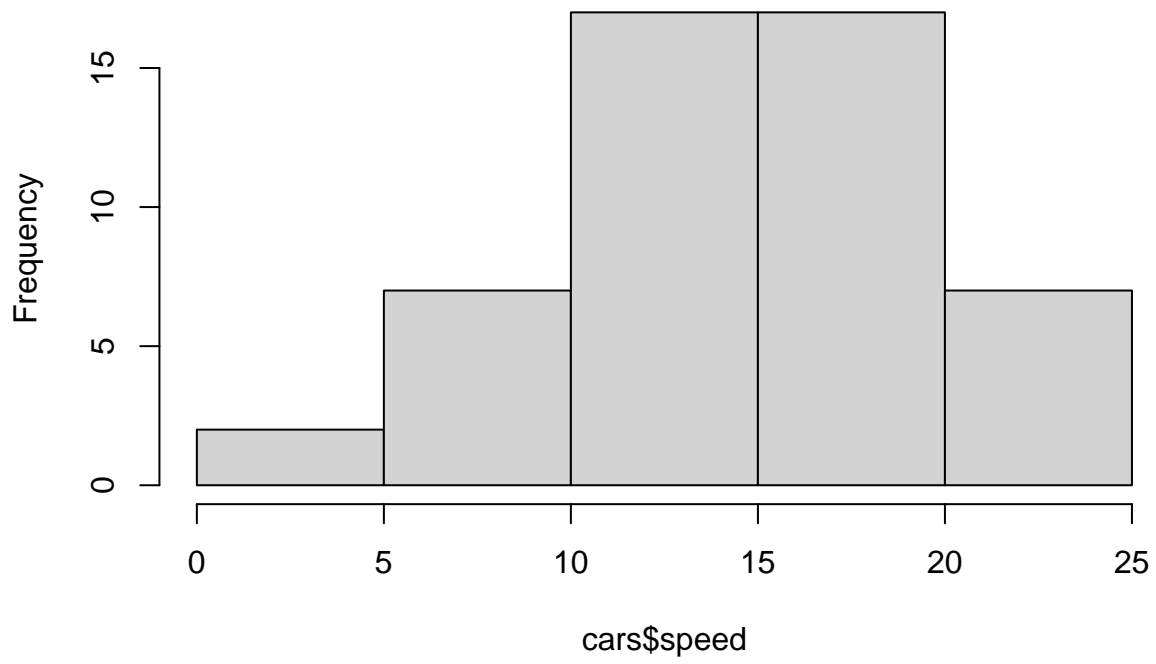
```
##      speed           dist
##  Min.   : 4.0   Min.   :  2.00
##  1st Qu.:12.0   1st Qu.: 26.00
##  Median :15.0   Median : 36.00
##  Mean   :15.4   Mean   : 42.98
##  3rd Qu.:19.0   3rd Qu.: 56.00
##  Max.   :25.0   Max.   :120.00
```
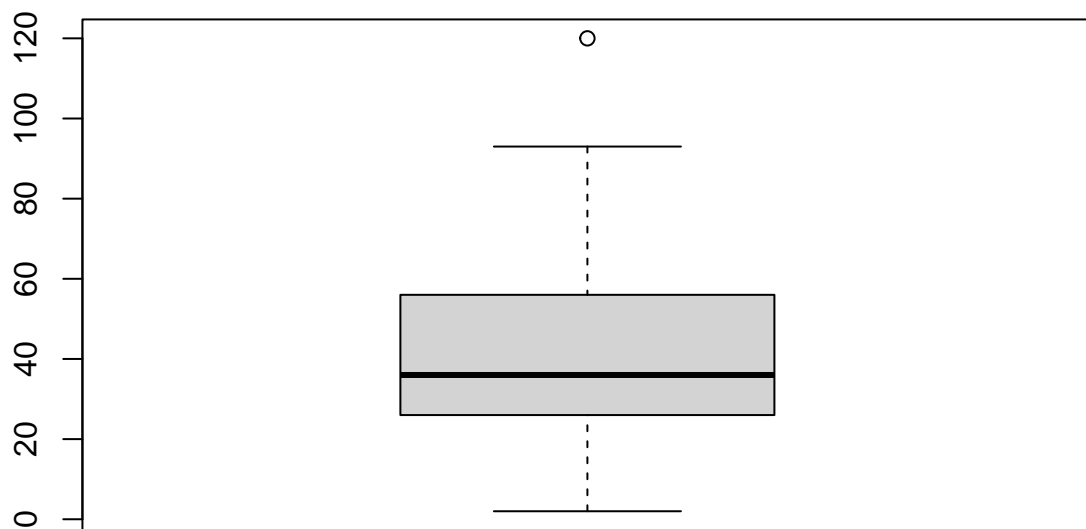
```
plot(cars)
```

Part2

Histogram of cars$speed

cars$speed

Part3

The mean speed of cars was 15.4 .