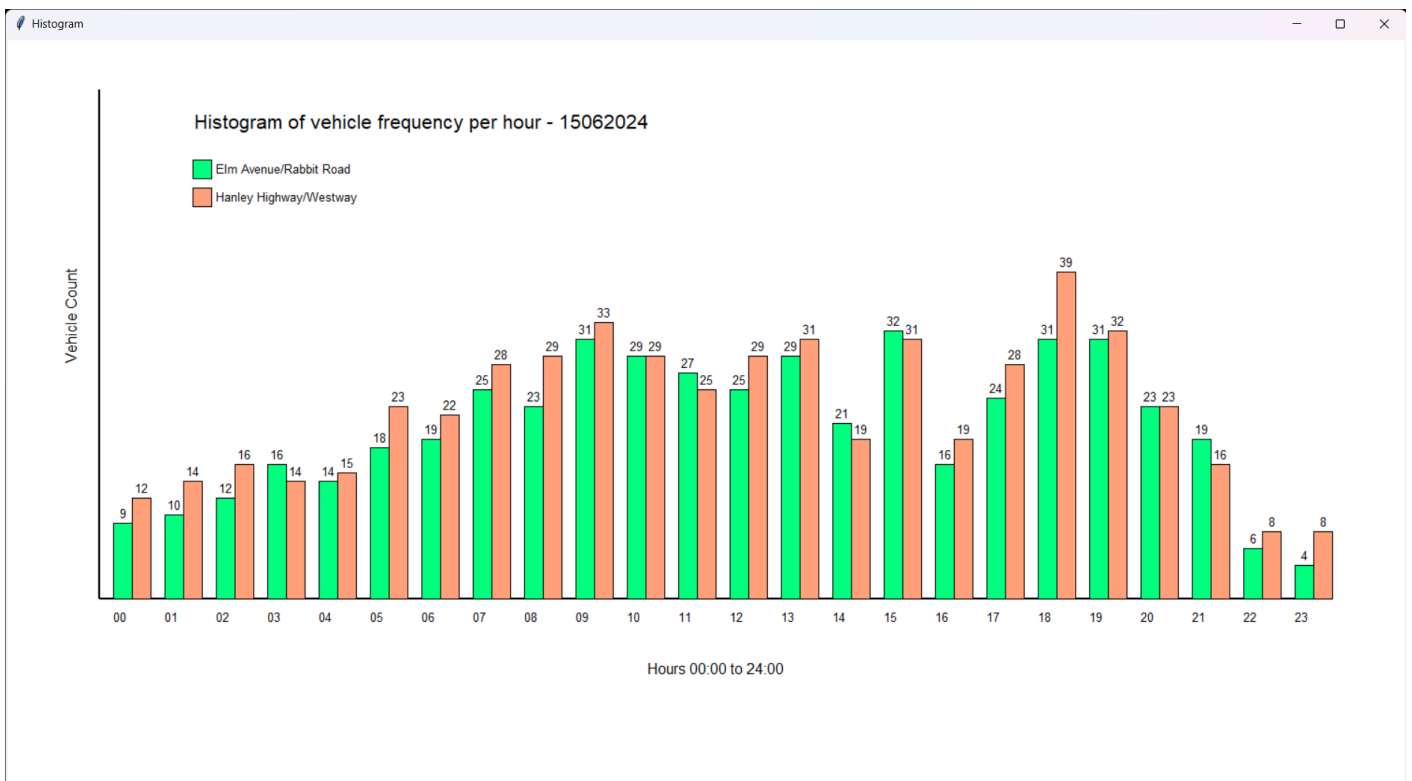


## (1) Check for the 1<sup>st</sup> date output

```
*IDLE Shell 3.12.6*
File Edit Shell Debug Options Window Help
Python 3.12.6 (tags/v3.12.6:a4a2d2b, Sep 6 2024, 20:11:23) [MSC v.1940 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\coursework\code.20240773.py =====
Please enter the year of the survey in the format YYYY: 2024
Please enter the month of the survey in the format MM: 06
Please enter the day of the survey in the format DD: 15
Data loaded from traffic_data15062024.csv
*****
Data file selected is traffic_data15062024.csv
*****
The total number of vehicles recorded for this date is 1037
The total number of trucks recorded for this date is 109
The total number of electric vehicles for this date is 368
The total number of two-wheeled vehicles for this date is 401
The total number of busses leaving Elm Avenue/Rabbit Road heading North is 15
The total number of Vehicles through both junctions not turning left or right is 363
The percentage of total vehicles recorded that are trucks for this date is 11%
The average number of Bikes per hour for this date is 7
The total number of vehicles recorded as over the speed limit for this date is 205
The total vehicles recorded through Elm Avenue/Rabbit Road junction is 494
The total number of vehicles recorded through Hanley Highway/Westway junction is 543
11% of vehicles recorded through Elm Avenue/Rabbit Road are scooters
The highest number of vehicles in an hour on Hanley Highway/Westway is 0
The most vehicles through Hanley Highway/Westway were recorded between 18:00 and 19:00
The number of hours of rain for this date is 0
|
```

## (2) Histogram for the 1<sup>st</sup> date output



### (3) Loop question after closing the Histogram

```
*IDLE Shell 3.12.6*
File Edit Shell Debug Options Window Help
Python 3.12.6 (tags/v3.12.6:a4a2d2b, Sep 6 2024, 20:11:23) [MSC v.1940 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\coursework\code.20240773.py =====
Please enter the year of the survey in the format YYYY: 2024
Please enter the month of the survey in the format MM: 06
Please enter the day of the survey in the format DD: 15
Data loaded from traffic_data15062024.csv
*****
Data file selected is traffic_data15062024.csv
*****
The total number of vehicles recorded for this date is 1037
The total number of trucks recorded for this date is 109
The total number of electric vehicles for this date is 368
The total number of two-wheeled vehicles for this date is 401
The total number of busses leaving Elm Avenue/Rabbit Road heading North is 15
The total number of Vehicles through both junctions not turning left or right is 363
The percentage of total vehicles recorded that are trucks for this date is 11%
The average number of Bikes per hour for this date is 7
The total number of vehicles recorded as over the speed limit for this date is 205
The total vehicles recorded through Elm Avenue/Rabbit Road junction is 494
The total number of vehicles recorded through Hanley Highway/Westway junction is 543
11% of vehicles recorded through Elm Avenue/Rabbit Road are scooters
The highest number of vehicles in an hour on Hanley Highway/Westway is 0
The most vehicles through Hanley Highway/Westway were recorded between 18:00 and 19:00
The number of hours of rain for this date is 0

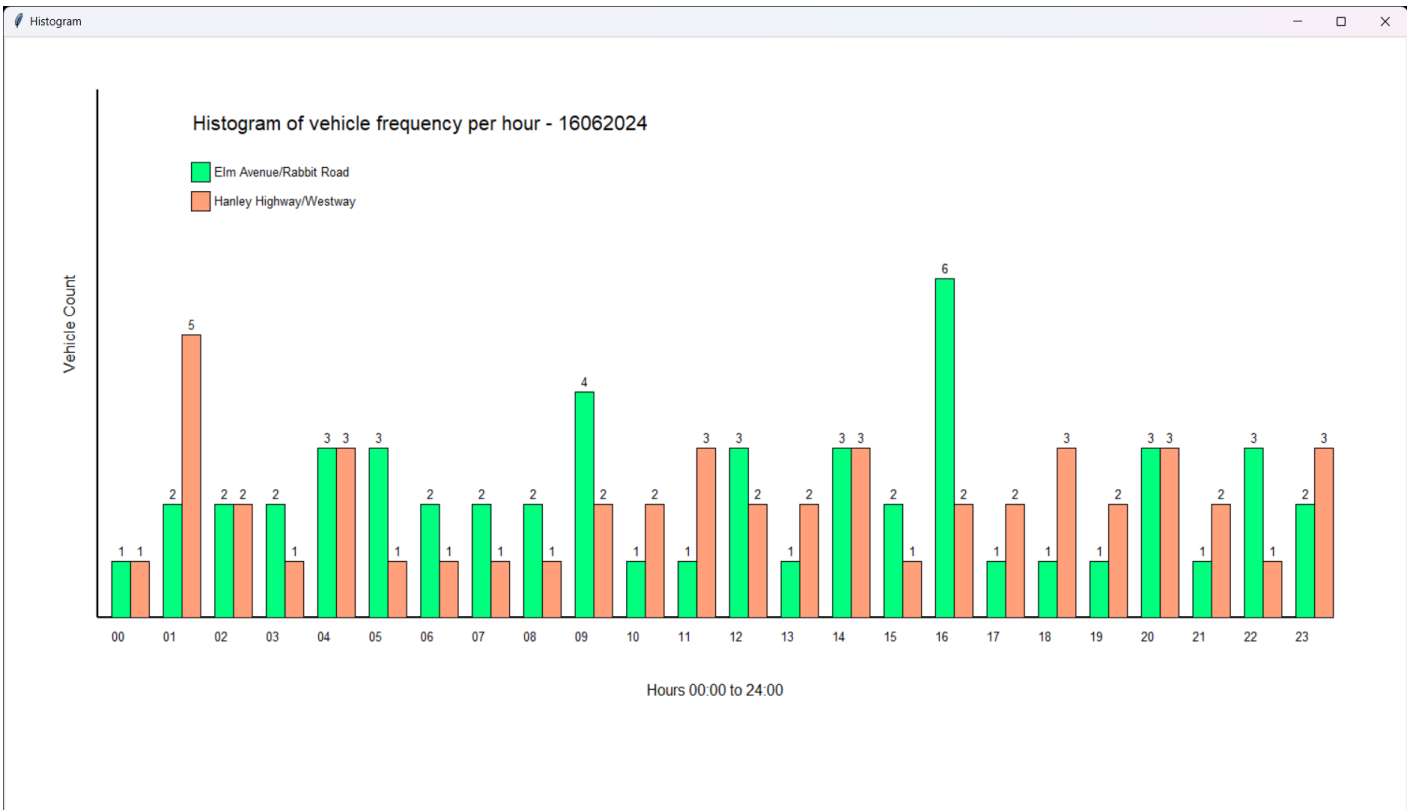
Do you want to load another data set for a different date? Y/N:
```

### (4) Check for the 2<sup>nd</sup> date output

```
*IDLE Shell 3.12.6*
File Edit Shell Debug Options Window Help
Please enter the month of the survey in the format MM: 06
Please enter the day of the survey in the format DD: 15
Data loaded from traffic_data15062024.csv
*****
Data file selected is traffic_data15062024.csv
*****
The total number of vehicles recorded for this date is 1037
The total number of trucks recorded for this date is 109
The total number of electric vehicles for this date is 368
The total number of two-wheeled vehicles for this date is 401
The total number of busses leaving Elm Avenue/Rabbit Road heading North is 15
The total number of Vehicles through both junctions not turning left or right is 363
The percentage of total vehicles recorded that are trucks for this date is 11%
The average number of Bikes per hour for this date is 7
The total number of vehicles recorded as over the speed limit for this date is 205
The total vehicles recorded through Elm Avenue/Rabbit Road junction is 494
The total number of vehicles recorded through Hanley Highway/Westway junction is 543
11% of vehicles recorded through Elm Avenue/Rabbit Road are scooters
The highest number of vehicles in an hour on Hanley Highway/Westway is 0
The most vehicles through Hanley Highway/Westway were recorded between 18:00 and 19:00
The number of hours of rain for this date is 0

Do you want to load another data set for a different date? Y/N: y
Please enter the year of the survey in the format YYYY: 2024
Please enter the month of the survey in the format MM: 06
Please enter the day of the survey in the format DD: 16
Data loaded from traffic_data16062024.csv
*****
Data file selected is traffic_data16062024.csv
*****
The total number of vehicles recorded for this date is 101
The total number of trucks recorded for this date is 11
The total number of electric vehicles for this date is 29
The total number of two-wheeled vehicles for this date is 29
The total number of busses leaving Elm Avenue/Rabbit Road heading North is 0
The total number of Vehicles through both junctions not turning left or right is 38
The percentage of total vehicles recorded that are trucks for this date is 11%
The average number of Bikes per hour for this date is 0
The total number of vehicles recorded as over the speed limit for this date is 20
The total vehicles recorded through Elm Avenue/Rabbit Road junction is 52
The total number of vehicles recorded through Hanley Highway/Westway junction is 49
10% of vehicles recorded through Elm Avenue/Rabbit Road are scooters
The highest number of vehicles in an hour on Hanley Highway/Westway is 0
The most vehicles through Hanley Highway/Westway were recorded between 01:00 and 2:00
The number of hours of rain for this date is 0
```

## (5) Histogram for the 2<sup>nd</sup> date output



## (6) Loop question after closing the Histogram

```
*IDLE Shell 3.12.6*
File Edit Shell Debug Options Window Help
Please enter the month of the survey in the format MM: 06
please enter the day of the survey in the format DD: 15
Data loaded from traffic_data15062024.csv
*****
Data file selected is traffic_data15062024.csv
*****
The total number of vehicles recorded for this date is 1037
The total number of trucks recorded for this date is 109
The total number of electric vehicles for this date is 368
The total number of two-wheeled vehicles for this date is 401
The total number of busses leaving Elm Avenue/Rabbit Road heading North is 15
The total number of Vehicles through both junctions not turning left or right is 363
The percentage of total vehicles recorded that are trucks for this date is 11%
The average number of Bikes per hour for this date is 7
The total number of vehicles recorded as over the speed limit for this date is 205
The total vehicles recorded through Elm Avenue/Rabbit Road junction is 494
The total number of vehicles recorded through Hanley Highway/Westway junction is 543
11% of vehicles recorded through Elm Avenue/Rabbit Road are scooters
The highest number of vehicles in an hour on Hanley Highway/Westway is 0
The most vehicles through Hanley Highway/Westway were recorded between 18:00 and 19:00
The number of hours of rain for this date is 0

Do you want to load another data set for a different date? Y/N: y
Please enter the year of the survey in the format YYYY: 2024
Please enter the month of the survey in the format MM: 06
please enter the day of the survey in the format DD: 16
Data loaded from traffic_data16062024.csv
*****
Data file selected is traffic_data16062024.csv
*****
The total number of vehicles recorded for this date is 101
The total number of trucks recorded for this date is 11
The total number of electric vehicles for this date is 29
The total number of two-wheeled vehicles for this date is 29
The total number of busses leaving Elm Avenue/Rabbit Road heading North is 0
The total number of Vehicles through both junctions not turning left or right is 38
The percentage of total vehicles recorded that are trucks for this date is 11%
The average number of Bikes per hour for this date is 0
The total number of vehicles recorded as over the speed limit for this date is 20
The total vehicles recorded through Elm Avenue/Rabbit Road junction is 52
The total number of vehicles recorded through Hanley Highway/Westway junction is 49
10% of vehicles recorded through Elm Avenue/Rabbit Road are scooters
The highest number of vehicles in an hour on Hanley Highway/Westway is 0
The most vehicles through Hanley Highway/Westway were recorded between 01:00 and 2:00
The number of hours of rain for this date is 0
```

## (7) Check for the 3<sup>rd</sup> date output

```
*IDLE Shell 3.12.6*
File Edit Shell Debug Options Window Help

Please enter the month of the survey in the format MM: 06
please enter the day of the survey in the format DD: 16
Data loaded from traffic_data16062024.csv
*****
Data file selected is traffic_data16062024.csv
*****
The total number of vehicles recorded for this date is 101
The total number of trucks recorded for this date is 11
The total number of electric vehicles for this date is 29
The total number of two-wheeled vehicles for this date is 29
The total number of busses leaving Elm Avenue/Rabbit Road heading North is 0
The total number of Vehicles through both junctions not turning left or right is 38
The percentage of total vehicles recorded that are trucks for this date is 11%
The average number of Bikes per hour for this date is 0
The total number of vehicles recorded as over the speed limit for this date is 20
The total vehicles recorded through Elm Avenue/Rabbit Road junction is 52
The total number of vehicles recorded through Hanley Highway/Westway junction is 49
10% of vehicles recorded through Elm Avenue/Rabbit Road are scooters
The highest number of vehicles in an hour on Hanley Highway/Westway is 0
The most vehicles through Hanley Highway/Westway were recorded between Between 01:00 and 2:00
The number of hours of rain for this date is 0

Do you want to load another data set for a different date? Y/N: y
Please enter the year of the survey in the format YYYY: 2024
Please enter the month of the survey in the format MM: 06
please enter the day of the survey in the format DD: 21
Data loaded from traffic_data21062024.csv
*****
Data file selected is traffic_data21062024.csv
*****
The total number of vehicles recorded for this date is 1334
The total number of trucks recorded for this date is 138
The total number of electric vehicles for this date is 442
The total number of two-wheeled vehicles for this date is 503
The total number of busses leaving Elm Avenue/Rabbit Road heading North is 19
The total number of Vehicles through both junctions not turning left or right is 494
The percentage of total vehicles recorded that are trucks for this date is 10%
The average number of Bikes per hour for this date is 10
The total number of vehicles recorded as over the speed limit for this date is 250
The total vehicles recorded through Elm Avenue/Rabbit Road junction is 651
The total number of vehicles recorded through Hanley Highway/Westway junction is 683
10% of vehicles recorded through Elm Avenue/Rabbit Road are scooters
The highest number of vehicles in an hour on Hanley Highway/Westway is 0
The most vehicles through Hanley Highway/Westway were recorded between Between 18:00 and 19:00
The number of hours of rain for this date is 0
```

## (8) Histogram for the 3<sup>rd</sup> date output

