Histogram of Vehicle Frequency per hour 15/06/2024

Elm Avenue/Rabbit Road
Hanley Highway/Westway



Histogram of Vehicle Frequency per hour 16/06/2024

Elm Avenue/Rabbit Road
Hanley Highway/Westway

Histogram of Vehicle Frequency per hour 21/06/2024

Legend: Elm Avenue/Rabbit Road (green), Hanley Highway/Westway (red)

Y-axis: Number Of Vehicles Per Hour
X-axis: Hours 00:00 to 24:00

```
*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:\Users\Chath\OneDrive\Desktop\New folder (2)\w2121291.py =====
    Please enter the day of the survey in the format dd:15
    Please enter the month of the survey in the format MM:06
    Please enter the year of the survey in the format YYYY:2024

    **********************************
    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 11.0 %
    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 number of vehicles recorded through Elm Avenue/Rabbit Road junction is 494
    The total number of vehicles recorded through Hanley Highway/Westway junction is 543
    11.0 % of vehicles recorded through Elm Avenue/Rabbit Road are scooters.

    The highest number of vehicles in an hour on Hanley Highway/Westway is 39
    The most vehicles through Hanley Highway/Westway were recorded between 18:00:00 and 19:00:00
    Number of hours of rain for this date is 0

    Do you want select another data file for a different date?Y/N:@
    Please enter "Y" or "N" only!
    Do you want select another data file for a different date?Y/N:
```

```
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:\Users\Chath\OneDrive\Desktop\New folder (2)\w2121291.py ======
Please enter the day of the survey in the format dd:15
Please enter the month of the survey in the format MM:06
Please enter the year of the survey in the format YYYY:2024

***********************************
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 11.0 %
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 number of vehicles recorded through Elm Avenue/Rabbit Road junction is 494
The total number of vehicles recorded through Hanley Highway/Westway junction is 543
11.0 % of vehicles recorded through Elm Avenue/Rabbit Road are scooters.

The highest number of vehicles in an hour on Hanley Highway/Westway is 39
The most vehicles through Hanley Highway/Westway were recorded between 18:00:00 and 19:00:00
Number of hours of rain for this date is 0

Do you want select another data file for a different date?Y/N:@
Please enter "Y" or "N" only!
Do you want select another data file for a different date?Y/N:y
Please enter the day of the survey in the format dd:
```

```
Please enter the day of the survey in the format dd:16
Please enter the month of the survey in the format MM:06
Please enter the year of the survey in the format YYYY:2024

**********************************
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 11.0 %
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 number of vehicles recorded through Elm Avenue/Rabbit Road junction is 52
The total number of vehicles recorded through Hanley Highway/Westway junction is 49
6.0 % of vehicles recorded through Elm Avenue/Rabbit Road are scooters.

The highest number of vehicles in an hour on Hanley Highway/Westway is 5
The most vehicles through Hanley Highway/Westway were recorded between 1:00:00 and 2:00:00
Number of hours of rain for this date is 3

Do you want select another data file for a different date?Y/N:Y
Please enter the day of the survey in the format dd:
```

```
Do you want select another data file for a different date?Y/N:y
Please enter the day of the survey in the format dd:25
Please enter the month of the survey in the format MM:06
Please enter the year of the survey in the format YYYY:2024
File is missing / not available
Do you want select another data file for a different date?Y/N:
```

```
Do you want select another data file for a different date?Y/N:y
Please enter the day of the survey in the format dd:25
Please enter the month of the survey in the format MM:06
Please enter the year of the survey in the format YYYY:2024
File is missing / not available
Do you want select another data file for a different date?Y/N:n
>>>
```