



Team B

1. Hamza Khalid (s4312186) : Worked on exploratory data analysis, the check trends on available date s, Correlations, geographical heatmaps, trends analysis (i.e. forecasting for the year 2015) and auto eda reporting using SweetViz in Python.
2. Hajra Batool (s4318303) : Worked on basic data cleaning and checks and some visualizations also.
3. Milind Dev Janghu (s4319403) : Worked on finding relationships in the data and comparitive analysi s.
4. Sandeep Kumar (s4313281) : Worked on data cleaning and categorical data insights.

All group members worked collaboratively to complete and compile this notebook with different ideas. In each individual part other ideas helped to enhance it in an efficient manner.

```
In [1]: import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
import numpy as np
import plotly.express as px
import plotly.graph_objects as go

pd.set_option('display.max_columns', 500)

import warnings
warnings.filterwarnings("ignore")
```

```
In [2]: # Read CSV File
data = pd.read_csv('accidents_2012_to_2014.csv')
```

```
In [3]: # Print Top 5 Rows of Data
data.head()
```

Out[3]:

	Accident_Index	Location_Easting_OSGR	Location_Northing_OSGR	Longitude	Latitude	Police_Force	Accident_Severity	Number_of_Vehicles	Nu
0	201201BS70001	527200	178760	-0.169101	51.493429	1	3	2	
1	201201BS70002	524930	181430	-0.200838	51.517931	1	3	2	
2	201201BS70003	525860	178080	-0.188636	51.487618	1	3	2	
3	201201BS70004	524980	181030	-0.200259	51.514325	1	3	1	
4	201201BS70005	526170	179200	-0.183773	51.497614	1	3	1	

```
In [4]: # Print Data Shape  
data.shape
```

```
Out[4]: (464697, 33)
```

```
In [5]: # Print Data Columns  
data.columns
```

```
Out[5]: Index(['Accident_Index', 'Location_Easting_OSGR', 'Location_Northing_OSGR',  
               'Longitude', 'Latitude', 'Police_Force', 'Accident_Severity',  
               'Number_of_Vehicles', 'Number_of_Casualties', 'Date', 'Day_of_Week',  
               'Time', 'Local_Authority_(District)', 'Local_Authority_(Highway)',  
               '1st_Road_Class', '1st_Road_Number', 'Road_Type', 'Speed_limit',  
               'Junction_Detail', 'Junction_Control', '2nd_Road_Class',  
               '2nd_Road_Number', 'Pedestrian_Crossing-Human_Control',  
               'Pedestrian_Crossing-Physical_Facilities', 'Light_Conditions',  
               'Weather_Conditions', 'Road_Surface_Conditions',  
               'Special_Conditions_at_Site', 'Carriageway_Hazards',  
               'Urban_or_Rural_Area', 'Did_Police_Officer_Attend_Scene_of_Accident',  
               'LSOA_of_Accident_Location', 'Year'],  
              dtype='object')
```

```
In [6]: # Print Information of the Data  
data.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 464697 entries, 0 to 464696
Data columns (total 33 columns):
 #   Column           Non-Null Count  Dtype  
--- 
 0   Accident_Index  464697 non-null   object 
 1   Location_Easting_OSGR 464697 non-null   int64  
 2   Location_Northing_OSGR 464697 non-null   int64  
 3   Longitude        464697 non-null   float64
 4   Latitude         464697 non-null   float64
 5   Police_Force    464697 non-null   int64  
 6   Accident_Severity 464697 non-null   int64  
 7   Number_of_Vehicles 464697 non-null   int64  
 8   Number_of_Casualties 464697 non-null   int64  
 9   Date             464697 non-null   object 
 10  Day_of_Week      464697 non-null   int64  
 11  Time             464684 non-null   object 
 12  Local_Authority_(District) 464697 non-null   int64  
 13  Local_Authority_(Highway)   464697 non-null   object 
 14  1st_Road_Class    464697 non-null   int64  
 15  1st_Road_Number   464697 non-null   int64  
 16  Road_Type         464697 non-null   object 
 17  Speed_limit       464697 non-null   int64  
 18  Junction_Detail  0 non-null      float64
 19  Junction_Control 286087 non-null   object 
 20  2nd_Road_Class   464697 non-null   int64  
 21  2nd_Road_Number   464697 non-null   int64  
 22  Pedestrian_Crossing-Human_Control 464697 non-null   object 
 23  Pedestrian_Crossing-Physical_Facilities 464697 non-null   object 
 24  Light_Conditions   464697 non-null   object 
 25  Weather_Conditions 464697 non-null   object 
 26  Road_Surface_Conditions 463942 non-null   object 
 27  Special_Conditions_at_Site   464695 non-null   object 
 28  Carriageway_Hazards   464694 non-null   object 
 29  Urban_or_Rural_Area   464697 non-null   int64  
 30  Did_Police_Officer_Attend_Scene_of_Accident 464695 non-null   object 
 31  LSOA_of_Accident_Location 435979 non-null   object 
 32  Year             464697 non-null   int64  
dtypes: float64(3), int64(15), object(15)
memory usage: 117.0+ MB
```

In [7]: # Data Description

```
data.describe().T.round(2)
```

Out[7]:

	count	mean	std	min	25%	50%	75%	max
Location_Easting_OSGR	464697.0	443834.28	94098.87	65510.00	379059.00	445539.00	525350.00	655370.00
Location_Northing_OSGR	464697.0	298625.82	159470.14	10290.00	177710.00	260680.00	398959.00	1190858.00
Longitude	464697.0	-1.38	1.38	-7.51	-2.32	-1.32	-0.19	1.76
Latitude	464697.0	52.58	1.44	49.91	51.48	52.23	53.49	60.60
Police_Force	464697.0	28.50	25.33	1.00	6.00	22.00	45.00	98.00
Accident_Severity	464697.0	2.83	0.40	1.00	3.00	3.00	3.00	3.00
Number_of_Vehicles	464697.0	1.83	0.71	1.00	1.00	2.00	2.00	67.00
Number_of_Casualties	464697.0	1.33	0.82	1.00	1.00	1.00	1.00	93.00
Day_of_Week	464697.0	4.11	1.92	1.00	2.00	4.00	6.00	7.00
Local_Authority_(District)	464697.0	329.12	259.22	1.00	95.00	300.00	511.00	941.00
1st_Road_Class	464697.0	4.07	1.41	1.00	3.00	3.00	6.00	6.00
1st_Road_Number	464697.0	1012.73	1810.52	0.00	0.00	147.00	759.00	9999.00
Speed_limit	464697.0	38.23	13.80	10.00	30.00	30.00	40.00	70.00
Junction_Detail	0.0	NaN	NaN	NaN	NaN	NaN	NaN	NaN
2nd_Road_Class	464697.0	2.79	3.19	-1.00	-1.00	3.00	6.00	6.00
2nd_Road_Number	464697.0	380.95	1289.79	-1.00	0.00	0.00	0.00	9999.00
Urban_or_Rural_Area	464697.0	1.34	0.47	1.00	1.00	1.00	2.00	2.00
Year	464697.0	2012.93	0.83	2012.00	2012.00	2013.00	2014.00	2014.00

```
In [8]: # Total Missing Values in Each Column  
data.isna().sum()
```

```
Out[8]: Accident_Index          0  
Location_Easting_OSGR         0  
Location_Northing_OSGR        0  
Longitude                      0  
Latitude                       0  
Police_Force                   0  
Accident_Severity              0  
Number_of_Vehicles              0  
Number_of_Casualties             0  
Date                            0  
Day_of_Week                     0  
Time                           13  
Local_Authority_(District)     0  
Local_Authority_(Highway)       0  
1st_Road_Class                  0  
1st_Road_Number                 0  
Road_Type                       0  
Speed_limit                     0  
Junction_Detail                464697  
Junction_Control               178610  
2nd_Road_Class                  0  
2nd_Road_Number                 0  
Pedestrian_Crossing-Human_Control 0  
Pedestrian_Crossing-Physical_Facilities 0  
Light_Conditions                 0  
Weather_Conditions                0  
Road_Surface_Conditions           755  
Special_Conditions_at_Site        2  
Carriageway_Hazards                3  
Urban_or_Rural_Area                0  
Did_Police_Officer_Attend_Scene_of_Accident 2  
LSOA_of_Accident_Location          28718  
Year                             0  
dtype: int64
```

```
In [9]: # Removing Columns with Missing Values more than 80% in it.  
# Set your threshold for non-null values (e.g., 0.8 means 80% non-null values required)  
threshold = 0.6 * len(data)  
data_filtered = data.dropna(thresh=threshold, axis=1)
```

```
In [10]: data_filtered.isna().sum()
```

```
Out[10]: Accident_Index          0  
Location_Easting_OSGR           0  
Location_Northing_OSGR          0  
Longitude                       0  
Latitude                        0  
Police_Force                     0  
Accident_Severity               0  
Number_of_Vehicles               0  
Number_of_Casualties              0  
Date                            0  
Day_of_Week                      0  
Time                            13  
Local_Authority_(District)      0  
Local_Authority_(Highway)        0  
1st_Road_Class                  0  
1st_Road_Number                 0  
Road_Type                        0  
Speed_limit                      0  
Junction_Control                178610  
2nd_Road_Class                  0  
2nd_Road_Number                 0  
Pedestrian_Crossing-Human_Control 0  
Pedestrian_Crossing-Physical_Facilities 0  
Light_Conditions                 0  
Weather_Conditions               0  
Road_Surface_Conditions          755  
Special_Conditions_at_Site       2  
Carriageway_Hazards               3  
Urban_or_Rural_Area              0  
Did_Police_Officer_Attend_Scene_of_Accident 2  
LSOA_of_Accident_Location        28718  
Year                             0  
dtype: int64
```

```
In [11]: # Drop NA values  
data_filtered.dropna(inplace = True)
```

```
In [12]: data_filtered.shape
```

```
Out[12]: (270751, 32)
```

```
In [13]: # Value Counts of Duplicates  
data_filtered.duplicated().value_counts()
```

```
Out[13]: False    247618  
True     23133  
dtype: int64
```

```
In [14]: # Drop Duplicates  
data_filtered_NoDuplicates = data_filtered.drop_duplicates()  
data_filtered_NoDuplicates.shape
```

```
Out[14]: (247618, 32)
```

```
In [15]: data_filtered_NoDuplicates.head()
```

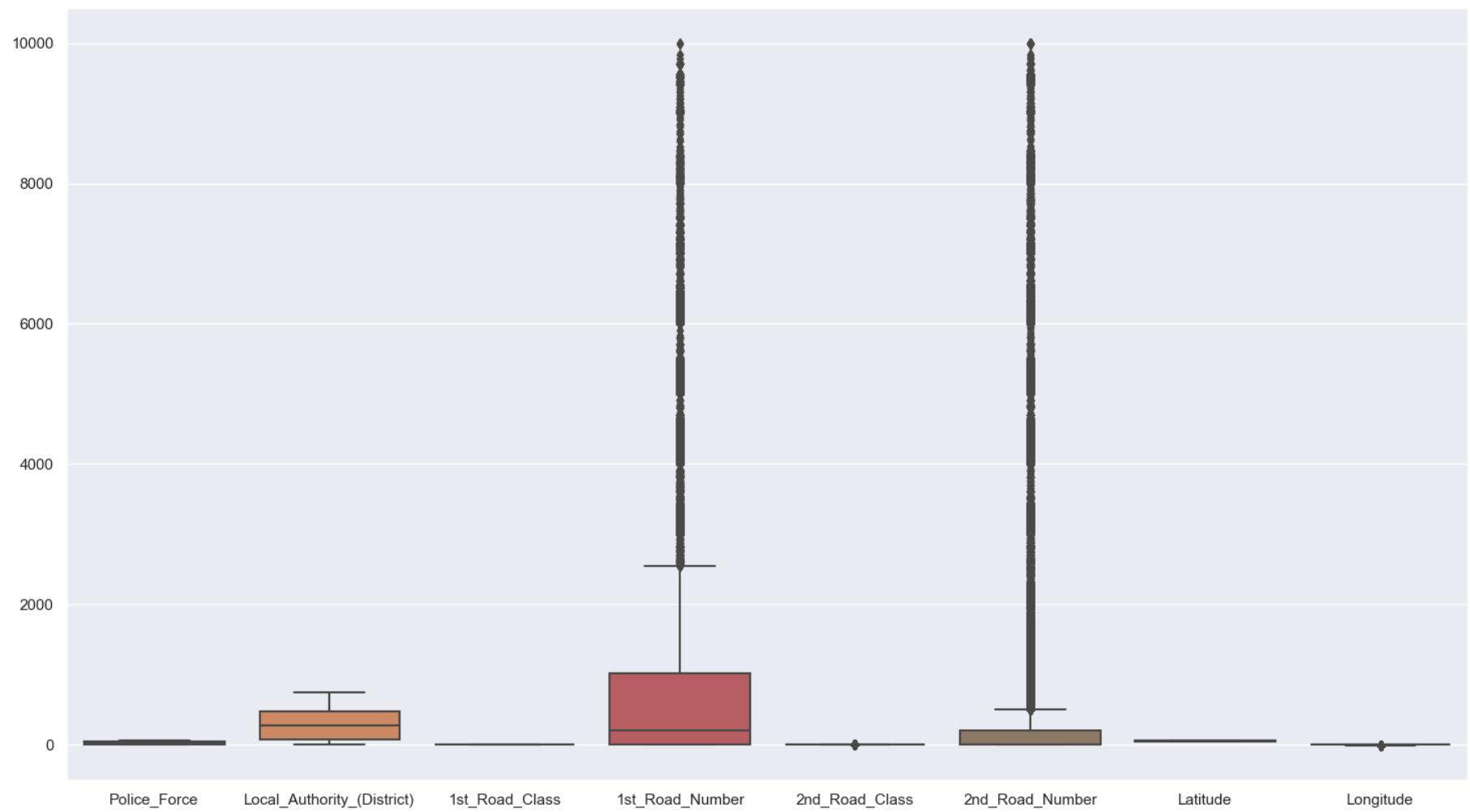
```
Out[15]:
```

	Accident_Index	Location_Easting_OSGR	Location_Northing_OSGR	Longitude	Latitude	Police_Force	Accident_Severity	Number_of_Vehicles	N
0	201201BS70001	527200	178760	-0.169101	51.493429	1	3	2	
1	201201BS70002	524930	181430	-0.200838	51.517931	1	3	2	
2	201201BS70003	525860	178080	-0.188636	51.487618	1	3	2	
3	201201BS70004	524980	181030	-0.200259	51.514325	1	3	1	
4	201201BS70005	526170	179200	-0.183773	51.497614	1	3	1	

03. Some Exploratory Data Analysis

```
In [16]: checkBoxPlot = data_filtered_NoDuplicates[['Police_Force', 'Local_Authority_(District)',  
                                              '1st_Road_Class', '1st_Road_Number',  
                                              '2nd_Road_Class', '2nd_Road_Number', 'Latitude', 'Longitude']]  
  
sns.set(rc={'figure.figsize':(18,10)})  
sns.boxplot(data=checkBoxPlot)
```

Out[16]: <Axes: >



```
In [17]: def remove_outliers_from_numeric_columns(dataframe):
    numeric_columns = dataframe.select_dtypes(include=np.number).columns
    for column in numeric_columns:
        Q1 = dataframe[column].quantile(0.25)
        Q3 = dataframe[column].quantile(0.75)
        IQR = Q3 - Q1

        lower_bound = Q1 - 1.5 * IQR
        upper_bound = Q3 + 1.5 * IQR

        outliers = (dataframe[column] < lower_bound) | (dataframe[column] > upper_bound)

        # Remove rows with outliers
        dataframe = dataframe[~outliers]

    return dataframe
```

```
In [18]: finalDF = remove_outliers_from_numeric_columns(data_filtered_NoDuplicates)
finalDF.shape
```

Out[18]: (48123, 32)

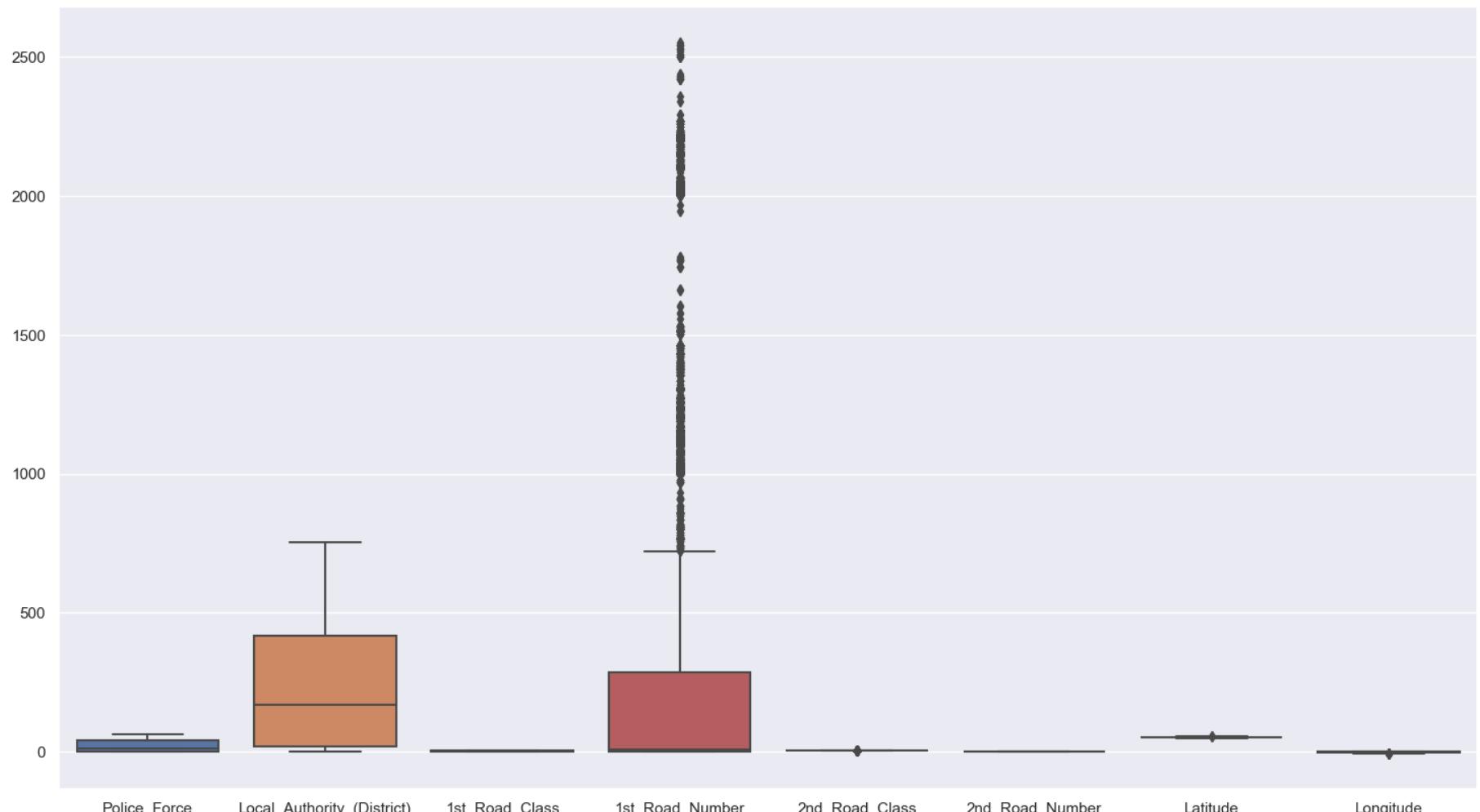
```
In [19]: finalDF.isna().sum()
```

```
Out[19]: Accident_Index          0
Location_Easting_OSGR           0
Location_Northing_OSGR          0
Longitude                       0
Latitude                         0
Police_Force                     0
Accident_Severity               0
Number_of_Vehicles                0
Number_of_Casualties              0
Date                             0
Day_of_Week                      0
Time                            0
Local_Authority_(District)      0
Local_Authority_(Highway)        0
1st_Road_Class                   0
1st_Road_Number                  0
Road_Type                        0
Speed_limit                      0
Junction_Control                 0
2nd_Road_Class                   0
2nd_Road_Number                  0
Pedestrian_Crossing-Human_Control 0
Pedestrian_Crossing-Physical_Facilities 0
Light_Conditions                  0
Weather_Conditions                0
Road_Surface_Conditions          0
Special_Conditions_at_Site       0
Carriageway_Hazards                0
Urban_or_Rural_Area              0
Did_Police_Officer_Attend_Scene_of_Accident 0
LSOA_of_Accident_Location         0
Year                             0
dtype: int64
```

```
In [20]: # sns.boxplot(finalDF['Location_Northing_OSGR'])
# Box Plot to check Outliers
checkBoxPlot = finalDF[['Police_Force', 'Local_Authority_(District)',
                        '1st_Road_Class', '1st_Road_Number',
                        '2nd_Road_Class', '2nd_Road_Number', 'Latitude', 'Longitude']]

sns.set(rc={'figure.figsize':(18,10)})
sns.boxplot(data=checkBoxPlot)
```

Out[20]: <Axes: >



```
In [21]: # Unique Value Counts in Road_Type Column  
finalDF['Road_Type'].value_counts()
```

```
Out[21]: Single carriageway    41421  
Roundabout                  3345  
Dual carriageway            2304  
One way street               859  
Unknown                      108  
Slip road                    86  
Name: Road_Type, dtype: int64
```

```
In [22]: finalDF.head()
```

```
Out[22]:
```

	Accident_Index	Location_Easting_OSGR	Location_Northing_OSGR	Longitude	Latitude	Police_Force	Accident_Severity	Number_of_Vehicles	Nu
0	201201BS70001	527200	178760	-0.169101	51.493429	1	3	2	
1	201201BS70002	524930	181430	-0.200838	51.517931	1	3	2	
7	201201BS70008	524010	182080	-0.213862	51.523975	1	3	2	
8	201201BS70010	527710	179290	-0.161567	51.498077	1	3	2	
9	201201BS70011	525120	180060	-0.198587	51.505576	1	3	2	

```
In [23]: finalDF.columns
```

```
Out[23]: Index(['Accident_Index', 'Location_Easting_OSGR', 'Location_Northing_OSGR',
       'Longitude', 'Latitude', 'Police_Force', 'Accident_Severity',
       'Number_of_Vehicles', 'Number_of_Casualties', 'Date', 'Day_of_Week',
       'Time', 'Local_Authority_(District)', 'Local_Authority_(Highway)',
       '1st_Road_Class', '1st_Road_Number', 'Road_Type', 'Speed_limit',
       'Junction_Control', '2nd_Road_Class', '2nd_Road_Number',
       'Pedestrian_Crossing-Human_Control',
       'Pedestrian_Crossing-Physical_Facilities', 'Light_Conditions',
       'Weather_Conditions', 'Road_Surface_Conditions',
       'Special_Conditions_at_Site', 'Carriageway_Hazards',
       'Urban_or_Rural_Area', 'Did_Police_Officer_Attend_Scene_of_Accident',
       'LSOA_of_Accident_Location', 'Year'],
      dtype='object')
```

```
In [24]: finalDF["Date"] = pd.to_datetime(finalDF["Date"])
```

```
In [25]: finalDF['Date'].dtype
```

```
Out[25]: dtype('M8[ns]')
```

```
In [26]: finalDF['month'] = finalDF['Date'].dt.to_period('M')
```

```
In [27]: finalDF['month']
```

```
Out[27]: 0        2012-01
1        2012-04
7        2012-07
8        2012-07
9        2012-04
...
455198   2014-10
455529   2014-05
455585   2014-04
455696   2014-05
455730   2014-12
Name: month, Length: 48123, dtype: period[M]
```

In [28]: `finalDF.head()`

Out[28]:

	Accident_Index	Location_Easting_OSGR	Location_Northing_OSGR	Longitude	Latitude	Police_Force	Accident_Severity	Number_of_Vehicles	N
0	201201BS70001	527200	178760	-0.169101	51.493429	1	3	2	
1	201201BS70002	524930	181430	-0.200838	51.517931	1	3	2	
7	201201BS70008	524010	182080	-0.213862	51.523975	1	3	2	
8	201201BS70010	527710	179290	-0.161567	51.498077	1	3	2	
9	201201BS70011	525120	180060	-0.198587	51.505576	1	3	2	

In [29]: finalDF

Out[29]:

	Accident_Index	Location_Easting_OSGR	Location_Northing_OSGR	Longitude	Latitude	Police_Force	Accident_Severity	Number_of_Vehicles
0	201201BS70001	527200		178760	-0.169101	51.493429	1	3
1	201201BS70002	524930		181430	-0.200838	51.517931	1	3
7	201201BS70008	524010		182080	-0.213862	51.523975	1	3
8	201201BS70010	527710		179290	-0.161567	51.498077	1	3
9	201201BS70011	525120		180060	-0.198587	51.505576	1	3
...
455198	201463BC13614	259140		281860	-4.072653	52.416518	63	3
455529	201463DP01114	310510		291060	-3.320056	52.510033	63	3
455585	201463DP07014	310590		291090	-3.318886	52.510315	63	3
455696	201463DP18514	278700		210340	-3.759722	51.778500	63	3
455730	201463DP22014	309530		290790	-3.334419	52.507444	63	3

48123 rows × 33 columns

```
In [30]: finalDF.groupby(['Year', "month"]).count()
```

Out[30]:

		Accident_Index	Location_Easting_OSGR	Location_Northing_OSGR	Longitude	Latitude	Police_Force	Accident_Severity	Number_of_Vehicles
Year	month								
2012	2012-01	1356	1356	1356	1356	1356	1356	1356	1356
	2012-02	1145	1145	1145	1145	1145	1145	1145	1145
	2012-03	1399	1399	1399	1399	1399	1399	1399	1399
	2012-04	1241	1241	1241	1241	1241	1241	1241	1241
	2012-05	1438	1438	1438	1438	1438	1438	1438	1438
	2012-06	1344	1344	1344	1344	1344	1344	1344	1344
	2012-07	1385	1385	1385	1385	1385	1385	1385	1385
	2012-08	1224	1224	1224	1224	1224	1224	1224	1224
	2012-09	1394	1394	1394	1394	1394	1394	1394	1394
	2012-10	1414	1414	1414	1414	1414	1414	1414	1414
	2012-11	1417	1417	1417	1417	1417	1417	1417	1417
	2012-12	1169	1169	1169	1169	1169	1169	1169	1169

		Accident_Index	Location_Easting_OSGR	Location_Northing_OSGR	Longitude	Latitude	Police_Force	Accident_Severity	Number_of_Vehicles
Year	month								
2013	2013-01	1094		1094		1094		1094	
	2013-02	1050		1050		1050		1050	
	2013-03	1023		1023		1023		1023	
	2013-04	1292		1292		1292		1292	
	2013-05	1289		1289		1289		1289	
	2013-06	1329		1329		1329		1329	
	2013-07	1384		1384		1384		1384	
	2013-08	1293		1293		1293		1293	
	2013-09	1381		1381		1381		1381	
	2013-10	1434		1434		1434		1434	
	2013-11	1401		1401		1401		1401	
	2013-12	1176		1176		1176		1176	

		Accident_Index	Location_Easting_OSGR	Location_Northing_OSGR	Longitude	Latitude	Police_Force	Accident_Severity	Number_of_Vehicles
Year	month								
2014	2014-01	1504	1504	1504	1504	1504	1504	1504	1504
	2014-02	1223	1223	1223	1223	1223	1223	1223	1223
	2014-03	1471	1471	1471	1471	1471	1471	1471	1471
	2014-04	1329	1329	1329	1329	1329	1329	1329	1329
	2014-05	1423	1423	1423	1423	1423	1423	1423	1423
	2014-06	1463	1463	1463	1463	1463	1463	1463	1463
	2014-07	1438	1438	1438	1438	1438	1438	1438	1438
	2014-08	1379	1379	1379	1379	1379	1379	1379	1379
	2014-09	1478	1478	1478	1478	1478	1478	1478	1478
	2014-10	1571	1571	1571	1571	1571	1571	1571	1571
	2014-11	1553	1553	1553	1553	1553	1553	1553	1553
	2014-12	1219	1219	1219	1219	1219	1219	1219	1219

```
In [31]: finalDF['month'].value_counts().sort_values(inplace=True)
```

```
In [32]: finalDF['month']
```

```
Out[32]: 0      2012-01  
1      2012-04  
7      2012-07  
8      2012-07  
9      2012-04  
     ...  
455198  2014-10  
455529  2014-05  
455585  2014-04  
455696  2014-05  
455730  2014-12  
Name: month, Length: 48123, dtype: period[M]
```

```
In [33]: finalDF.head()
```

```
Out[33]:
```

	Accident_Index	Location_Easting_OSGR	Location_Northing_OSGR	Longitude	Latitude	Police_Force	Accident_Severity	Number_of_Vehicles	Nu
0	201201BS70001	527200	178760	-0.169101	51.493429	1	3	2	
1	201201BS70002	524930	181430	-0.200838	51.517931	1	3	2	
7	201201BS70008	524010	182080	-0.213862	51.523975	1	3	2	
8	201201BS70010	527710	179290	-0.161567	51.498077	1	3	2	
9	201201BS70011	525120	180060	-0.198587	51.505576	1	3	2	

```
In [34]: finalDF['Local_Authority_(Highway)'].nunique()
```

```
Out[34]: 168
```

```
In [35]: selected_columns = finalDF[['Police_Force', 'Accident_Severity', 'Number_of_Vehicles', 'Number_of_Casualties',  
'1st_Road_Number', '2nd_Road_Class', '2nd_Road_Number', 'Speed_limit']]  
  
for la_highway, group in finalDF.groupby('Local_Authority_(Highway)'):  
    print('-----')  
    print(f"Statistics for {la_highway}:")  
    print('-----')  
    for column in selected_columns:  
        mean_value = group[column].mean()  
        median_value = group[column].median()  
  
        print(f"{column} - Mean: {mean_value}, Median: {median_value}")
```

Statistics for E06000001:

Police_Force – Mean: 17.0, Median: 17.0
Accident_Severity – Mean: 3.0, Median: 3.0
Number_of_Vehicles – Mean: 2.0, Median: 2.0
Number_of_Casualties – Mean: 1.0, Median: 1.0
1st_Road_Class – Mean: 5.042105263157895, Median: 6.0
1st_Road_Number – Mean: 278.4947368421053, Median: 0.0
2nd_Road_Class – Mean: 6.0, Median: 6.0
2nd_Road_Number – Mean: 0.0, Median: 0.0
Speed_limit – Mean: 30.0, Median: 30.0

Statistics for E06000002:

Police_Force – Mean: 17.0, Median: 17.0
Accident_Severity – Mean: 3.0, Median: 3.0
Number_of_Vehicles – Mean: 2.0, Median: 2.0
Number_of_Casualties – Mean: 1.0, Median: 1.0
1st_Road_Class – Mean: 4.78698224852071, Median: 5.0
1st_Road_Number – Mean: 298.72189349112426, Median: 120.0
2nd_Road_Class – Mean: 6.0, Median: 6.0
2nd_Road_Number – Mean: 0.0, Median: 0.0
Speed_limit – Mean: 30.0, Median: 30.0

Statistics for E06000003:

Police_Force – Mean: 17.0, Median: 17.0
Accident_Severity – Mean: 3.0, Median: 3.0
Number_of_Vehicles – Mean: 2.0, Median: 2.0
Number_of_Casualties – Mean: 1.0, Median: 1.0
1st_Road_Class – Mean: 5.257575757575758, Median: 6.0
1st_Road_Number – Mean: 245.56060606060606, Median: 0.0
2nd_Road_Class – Mean: 6.0, Median: 6.0
2nd_Road_Number – Mean: 0.0, Median: 0.0
Speed_limit – Mean: 30.0, Median: 30.0

Statistics for E06000004:

Police_Force – Mean: 17.0, Median: 17.0
Accident_Severity – Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.8108108108105, Median: 5.0
1st_Road_Number - Mean: 274.3716216216216, Median: 138.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000005:

Police_Force - Mean: 11.0, Median: 11.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.842696629213483, Median: 5.0
1st_Road_Number - Mean: 88.62921348314607, Median: 46.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000006:

Police_Force - Mean: 7.0, Median: 7.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.75, Median: 6.0
1st_Road_Number - Mean: 391.1363636363636, Median: 0.0
2nd_Road_Class - Mean: 5.965909090909091, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000007:

Police_Force - Mean: 7.0, Median: 7.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.828828828828829, Median: 6.0
1st_Road_Number - Mean: 144.64864864864865, Median: 0.0
2nd_Road_Class - Mean: 5.990990990990991, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000008:

Police_Force - Mean: 4.0, Median: 4.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 5.056410256410256, Median: 6.0

1st_Road_Number - Mean: 220.11282051282052, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000009:

Police_Force - Mean: 4.0, Median: 4.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 5.147540983606557, Median: 6.0

1st_Road_Number - Mean: 166.47131147540983, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000010:

Police_Force - Mean: 16.0, Median: 16.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.990154711673699, Median: 6.0

1st_Road_Number - Mean: 301.0478199718706, Median: 0.0

2nd_Road_Class - Mean: 5.9985935302391, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000011:

Police_Force - Mean: 16.0, Median: 16.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.04954954954955, Median: 6.0
1st_Road_Number - Mean: 400.2927927927928, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000012:

Police_Force - Mean: 16.0, Median: 16.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.857142857142857, Median: 6.0
1st_Road_Number - Mean: 284.5816326530612, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000013:

Police_Force - Mean: 16.0, Median: 16.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.395061728395062, Median: 6.0
1st_Road_Number - Mean: 303.7345679012346, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000014:

Police_Force - Mean: 12.0, Median: 12.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.876923076923077, Median: 3.0
1st_Road_Number - Mean: 530.2923076923076, Median: 415.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000015:

Police_Force - Mean: 30.0, Median: 30.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.961783439490445, Median: 5.0

1st_Road_Number - Mean: 115.74203821656052, Median: 11.5

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000016:

Police_Force - Mean: 33.0, Median: 33.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.826923076923077, Median: 5.0

1st_Road_Number - Mean: 1061.4423076923076, Median: 1202.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000017:

Police_Force - Mean: 33.0, Median: 33.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.0, Median: 4.0

1st_Road_Number - Mean: 668.0, Median: 668.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000018:

Police_Force - Mean: 31.0, Median: 31.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.761061946902655, Median: 5.0
1st_Road_Number - Mean: 233.60398230088495, Median: 60.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000019:

Police_Force - Mean: 22.0, Median: 22.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.382352941176471, Median: 3.0
1st_Road_Number - Mean: 177.11764705882354, Median: 49.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000020:

Police_Force - Mean: 22.0, Median: 22.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 6.0, Median: 6.0
1st_Road_Number - Mean: 0.0, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000021:

Police_Force - Mean: 21.0, Median: 21.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.661087866108787, Median: 6.0
1st_Road_Number - Mean: 100.2050209205021, Median: 34.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000022:

Police_Force - Mean: 52.0, Median: 52.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.8484848484849, Median: 6.0

1st_Road_Number - Mean: 46.27272727272727, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000023:

Police_Force - Mean: 52.0, Median: 52.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.663306451612903, Median: 6.0

1st_Road_Number - Mean: 100.54435483870968, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000024:

Police_Force - Mean: 52.0, Median: 52.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 5.636363636363637, Median: 6.0

1st_Road_Number - Mean: 44.84090909090909, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000025:

Police_Force - Mean: 52.0, Median: 52.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.0, Median: 6.0
1st_Road_Number - Mean: 117.55555555555556, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000026:

Police_Force - Mean: 50.0, Median: 50.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.531328320802005, Median: 6.0
1st_Road_Number - Mean: 59.175438596491226, Median: 0.0
2nd_Road_Class - Mean: 5.99749373433584, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000027:

Police_Force - Mean: 50.0, Median: 50.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.6918238993710695, Median: 6.0
1st_Road_Number - Mean: 38.295597484276726, Median: 0.0
2nd_Road_Class - Mean: 5.9937106918239, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000028:

Police_Force - Mean: 55.0, Median: 55.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.022508038585209, Median: 5.0
1st_Road_Number - Mean: 131.82636655948554, Median: 35.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000029:

Police_Force - Mean: 55.0, Median: 55.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 5.143646408839779, Median: 6.0

1st_Road_Number - Mean: 25.171270718232044, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000030:

Police_Force - Mean: 54.0, Median: 54.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 5.73109243697479, Median: 6.0

1st_Road_Number - Mean: 90.16806722689076, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000031:

Police_Force - Mean: 35.0, Median: 35.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 5.243243243243243, Median: 6.0

1st_Road_Number - Mean: 221.2668918918919, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000032:

Police_Force - Mean: 40.0, Median: 40.0

Accident_Severity - Mean: 3.0, Median: 3.0

```
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.0, Median: 6.0
1st_Road_Number - Mean: 161.7712765957447, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0
```

Statistics for E06000033:

```
Police_Force - Mean: 42.0, Median: 42.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.700305810397554, Median: 6.0
1st_Road_Number - Mean: 186.7584097859327, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0
```

Statistics for E06000034:

```
Police_Force - Mean: 42.0, Median: 42.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.924812030075188, Median: 6.0
1st_Road_Number - Mean: 146.11278195488723, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0
```

Statistics for E06000035:

```
Police_Force - Mean: 46.0, Median: 46.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.6923076923076925, Median: 6.0
1st_Road_Number - Mean: 138.6737400530504, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
```

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000036:

Police_Force - Mean: 43.0, Median: 43.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 3.0, Median: 3.0

1st_Road_Number - Mean: 321.0, Median: 321.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000037:

Police_Force - Mean: 43.0, Median: 43.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 3.0, Median: 3.0

1st_Road_Number - Mean: 225.3333333333334, Median: 329.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000038:

Police_Force - Mean: 43.0, Median: 43.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 3.076923076923077, Median: 3.0

1st_Road_Number - Mean: 165.69230769230768, Median: 4.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000039:

Police_Force - Mean: 43.0, Median: 43.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.0, Median: 3.0
1st_Road_Number - Mean: 296.2, Median: 355.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000040:

Police_Force - Mean: 43.0, Median: 43.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.0, Median: 3.0
1st_Road_Number - Mean: 214.6666666666666, Median: 308.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000041:

Police_Force - Mean: 43.0, Median: 43.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.0, Median: 3.0
1st_Road_Number - Mean: 329.0, Median: 329.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000043:

Police_Force - Mean: 47.0, Median: 47.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.210659898477157, Median: 3.0
1st_Road_Number - Mean: 398.0406091370558, Median: 23.0
2nd_Road_Class - Mean: 5.972081218274112, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000044:

Police_Force - Mean: 44.0, Median: 44.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.340425531914893, Median: 4.0

1st_Road_Number - Mean: 739.0106382978723, Median: 127.5

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000045:

Police_Force - Mean: 44.0, Median: 44.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 5.263403263403263, Median: 6.0

1st_Road_Number - Mean: 24.435897435897434, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000046:

Police_Force - Mean: 44.0, Median: 44.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 6.0, Median: 6.0

1st_Road_Number - Mean: 0.0, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000047:

Police_Force - Mean: 11.0, Median: 11.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.229268292682927, Median: 6.0
1st_Road_Number - Mean: 178.4048780487805, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000048:

Police_Force - Mean: 10.0, Median: 10.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.6923076923076925, Median: 3.0
1st_Road_Number - Mean: 374.3076923076923, Median: 196.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000049:

Police_Force - Mean: 7.0, Median: 7.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.797169811320755, Median: 5.0
1st_Road_Number - Mean: 220.71226415094338, Median: 0.0
2nd_Road_Class - Mean: 5.981132075471698, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000050:

Police_Force - Mean: 7.0, Median: 7.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.13013698630137, Median: 6.0
1st_Road_Number - Mean: 96.92465753424658, Median: 0.0
2nd_Road_Class - Mean: 5.993150684931507, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000051:

Police_Force - Mean: 22.0, Median: 22.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 5.263888888888889, Median: 6.0

1st_Road_Number - Mean: 125.4583333333333, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000052:

Police_Force - Mean: 50.0, Median: 50.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 5.285714285714286, Median: 6.0

1st_Road_Number - Mean: 256.64285714285717, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000054:

Police_Force - Mean: 54.0, Median: 54.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.318471337579618, Median: 5.0

1st_Road_Number - Mean: 193.4203821656051, Median: 329.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000055:

Police_Force - Mean: 40.0, Median: 40.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.8655462184873945, Median: 6.0
1st_Road_Number - Mean: 214.57142857142858, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E06000056:

Police_Force - Mean: 40.0, Median: 40.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.747126436781609, Median: 5.0
1st_Road_Number - Mean: 136.67816091954023, Median: 5.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000001:

Police_Force - Mean: 6.0, Median: 6.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.221153846153846, Median: 3.0
1st_Road_Number - Mean: 282.375, Median: 6.0
2nd_Road_Class - Mean: 5.778846153846154, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000002:

Police_Force - Mean: 6.0, Median: 6.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.9858156028368796, Median: 3.0
1st_Road_Number - Mean: 155.56737588652481, Median: 56.0
2nd_Road_Class - Mean: 5.822695035460993, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000003:

Police_Force - Mean: 6.0, Median: 6.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.33648393194707, Median: 5.0

1st_Road_Number - Mean: 128.55576559546313, Median: 0.0

2nd_Road_Class - Mean: 5.7315689981096405, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000004:

Police_Force - Mean: 6.0, Median: 6.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.3, Median: 5.0

1st_Road_Number - Mean: 227.06875, Median: 0.0

2nd_Road_Class - Mean: 5.79375, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000005:

Police_Force - Mean: 6.0, Median: 6.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.064, Median: 3.0

1st_Road_Number - Mean: 278.584, Median: 58.0

2nd_Road_Class - Mean: 5.888, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000006:

Police_Force - Mean: 6.0, Median: 6.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.9683544303797467, Median: 3.0
1st_Road_Number - Mean: 177.17088607594937, Median: 31.0
2nd_Road_Class - Mean: 5.822784810126582, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000007:

Police_Force - Mean: 6.0, Median: 6.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.115646258503402, Median: 3.0
1st_Road_Number - Mean: 143.01360544217687, Median: 6.0
2nd_Road_Class - Mean: 5.741496598639456, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000008:

Police_Force - Mean: 6.0, Median: 6.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.290909090909091, Median: 5.0
1st_Road_Number - Mean: 194.6727272727273, Median: 0.0
2nd_Road_Class - Mean: 5.790909090909091, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000009:

Police_Force - Mean: 6.0, Median: 6.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.666666666666667, Median: 5.0
1st_Road_Number - Mean: 65.5042735042735, Median: 0.0
2nd_Road_Class - Mean: 5.632478632478633, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000010:

Police_Force - Mean: 6.0, Median: 6.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.030769230769231, Median: 3.0

1st_Road_Number - Mean: 233.45641025641027, Median: 49.0

2nd_Road_Class - Mean: 5.876923076923077, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000011:

Police_Force - Mean: 5.0, Median: 5.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 5.463917525773196, Median: 6.0

1st_Road_Number - Mean: 39.70103092783505, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000012:

Police_Force - Mean: 5.0, Median: 5.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 5.118451025056948, Median: 6.0

1st_Road_Number - Mean: 124.5375854214123, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000013:

Police_Force - Mean: 5.0, Median: 5.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.216216216216216, Median: 6.0
1st_Road_Number - Mean: 98.64864864864865, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000014:

Police_Force - Mean: 5.0, Median: 5.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.159090909090909, Median: 6.0
1st_Road_Number - Mean: 145.96022727272728, Median: 0.0
2nd_Road_Class - Mean: 5.994318181818182, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000015:

Police_Force - Mean: 5.0, Median: 5.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.954545454545454, Median: 6.0
1st_Road_Number - Mean: 176.67676767676767, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000016:

Police_Force - Mean: 14.0, Median: 14.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.703703703703703, Median: 6.0
1st_Road_Number - Mean: 243.62962962962962, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000017:

Police_Force - Mean: 14.0, Median: 14.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 5.341121495327103, Median: 6.0

1st_Road_Number - Mean: 163.1214953271028, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000018:

Police_Force - Mean: 14.0, Median: 14.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.932038834951456, Median: 6.0

1st_Road_Number - Mean: 234.46601941747574, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000019:

Police_Force - Mean: 14.0, Median: 14.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.946875, Median: 6.0

1st_Road_Number - Mean: 187.68125, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000020:

Police_Force - Mean: 10.0, Median: 10.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.0, Median: 3.0
1st_Road_Number - Mean: 167.0, Median: 167.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000021:

Police_Force - Mean: 10.0, Median: 10.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.846153846153846, Median: 6.0
1st_Road_Number - Mean: 1075.923076923077, Median: 1202.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000022:

Police_Force - Mean: 10.0, Median: 10.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.0, Median: 6.0
1st_Road_Number - Mean: 1482.5555555555557, Median: 2111.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000025:

Police_Force - Mean: 20.0, Median: 20.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.332027424094026, Median: 6.0
1st_Road_Number - Mean: 60.523016650342804, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000026:

Police_Force - Mean: 20.0, Median: 20.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 5.796, Median: 6.0

1st_Road_Number - Mean: 27.828, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000027:

Police_Force - Mean: 20.0, Median: 20.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.728813559322034, Median: 6.0

1st_Road_Number - Mean: 197.43502824858757, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000028:

Police_Force - Mean: 20.0, Median: 20.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 5.224719101123595, Median: 6.0

1st_Road_Number - Mean: 90.26404494382022, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000029:

Police_Force - Mean: 20.0, Median: 20.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.235772357723577, Median: 6.0
1st_Road_Number - Mean: 45.040650406504064, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000030:

Police_Force - Mean: 20.0, Median: 20.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.014925373134329, Median: 6.0
1st_Road_Number - Mean: 109.58955223880596, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000031:

Police_Force - Mean: 20.0, Median: 20.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.049382716049383, Median: 6.0
1st_Road_Number - Mean: 89.74897119341564, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000032:

Police_Force - Mean: 13.0, Median: 13.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.969957081545064, Median: 6.0
1st_Road_Number - Mean: 223.83261802575106, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000033:

Police_Force - Mean: 13.0, Median: 13.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.806629834254144, Median: 6.0

1st_Road_Number - Mean: 219.2707182320442, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000034:

Police_Force - Mean: 13.0, Median: 13.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.656976744186046, Median: 6.0

1st_Road_Number - Mean: 225.54360465116278, Median: 0.0

2nd_Road_Class - Mean: 5.997093023255814, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000035:

Police_Force - Mean: 13.0, Median: 13.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 5.09433962264151, Median: 6.0

1st_Road_Number - Mean: 113.17806603773585, Median: 0.0

2nd_Road_Class - Mean: 5.997641509433962, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E08000036:

Police_Force - Mean: 13.0, Median: 13.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.644230769230769, Median: 6.0
1st_Road_Number - Mean: 257.16346153846155, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000001:

Police_Force - Mean: 48.0, Median: 48.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.9069767441860463, Median: 3.0
1st_Road_Number - Mean: 160.07364341085272, Median: 10.0
2nd_Road_Class - Mean: 5.189922480620155, Median: 5.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000002:

Police_Force - Mean: 1.0, Median: 1.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.0469208211143695, Median: 3.0
1st_Road_Number - Mean: 355.2756598240469, Median: 118.0
2nd_Road_Class - Mean: 5.777126099706745, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000003:

Police_Force - Mean: 1.0, Median: 1.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.9907975460122698, Median: 3.0
1st_Road_Number - Mean: 353.50306748466255, Median: 41.0
2nd_Road_Class - Mean: 5.865030674846626, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000004:

Police_Force - Mean: 1.0, Median: 1.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.089887640449438, Median: 3.0

1st_Road_Number - Mean: 247.78370786516854, Median: 206.5

2nd_Road_Class - Mean: 5.786516853932584, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000005:

Police_Force - Mean: 1.0, Median: 1.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.2693069306930695, Median: 4.0

1st_Road_Number - Mean: 141.98217821782177, Median: 5.0

2nd_Road_Class - Mean: 5.811881188118812, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000006:

Police_Force - Mean: 1.0, Median: 1.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.016556291390729, Median: 3.0

1st_Road_Number - Mean: 229.86423841059602, Median: 213.5

2nd_Road_Class - Mean: 5.855960264900662, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000007:

Police_Force - Mean: 1.0, Median: 1.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.9390243902439024, Median: 3.0
1st_Road_Number - Mean: 258.1637630662021, Median: 400.0
2nd_Road_Class - Mean: 5.790940766550523, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000008:

Police_Force - Mean: 1.0, Median: 1.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.8821096173733194, Median: 3.0
1st_Road_Number - Mean: 189.0672182006205, Median: 212.0
2nd_Road_Class - Mean: 5.843846949327818, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000009:

Police_Force - Mean: 1.0, Median: 1.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.4792122538293215, Median: 5.0
1st_Road_Number - Mean: 184.17943107221006, Median: 0.0
2nd_Road_Class - Mean: 5.857768052516412, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000010:

Police_Force - Mean: 1.0, Median: 1.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.9762845849802373, Median: 3.0
1st_Road_Number - Mean: 335.6837944664032, Median: 110.0
2nd_Road_Class - Mean: 5.810276679841897, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000011:

Police_Force - Mean: 1.0, Median: 1.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 3.7326315789473683, Median: 3.0

1st_Road_Number - Mean: 259.3578947368421, Median: 206.0

2nd_Road_Class - Mean: 5.88421052631579, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000012:

Police_Force - Mean: 1.0, Median: 1.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 3.759259259259259, Median: 3.0

1st_Road_Number - Mean: 133.53935185185185, Median: 10.0

2nd_Road_Class - Mean: 5.6527777777777778, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000013:

Police_Force - Mean: 1.0, Median: 1.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 3.834224598930481, Median: 3.0

1st_Road_Number - Mean: 197.0035650623886, Median: 219.0

2nd_Road_Class - Mean: 5.9162210338680925, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000014:

Police_Force - Mean: 1.0, Median: 1.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.6778425655976674, Median: 3.0
1st_Road_Number - Mean: 248.1268221574344, Median: 105.0
2nd_Road_Class - Mean: 5.896501457725948, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000015:

Police_Force - Mean: 1.0, Median: 1.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.444043321299639, Median: 5.0
1st_Road_Number - Mean: 158.1480144404332, Median: 0.0
2nd_Road_Class - Mean: 5.7328519855595665, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000016:

Police_Force - Mean: 1.0, Median: 1.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.474489795918367, Median: 5.0
1st_Road_Number - Mean: 154.1530612244898, Median: 0.0
2nd_Road_Class - Mean: 5.760204081632653, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000017:

Police_Force - Mean: 1.0, Median: 1.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.557951482479784, Median: 5.0
1st_Road_Number - Mean: 154.6765498652291, Median: 0.0
2nd_Road_Class - Mean: 5.800539083557951, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000018:

Police_Force - Mean: 1.0, Median: 1.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 3.910973084886128, Median: 3.0

1st_Road_Number - Mean: 195.87577639751552, Median: 312.0

2nd_Road_Class - Mean: 5.863354037267081, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000019:

Police_Force - Mean: 1.0, Median: 1.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 3.5848765432098766, Median: 3.0

1st_Road_Number - Mean: 276.0725308641975, Median: 104.0

2nd_Road_Class - Mean: 5.808641975308642, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000020:

Police_Force - Mean: 1.0, Median: 1.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.2392638036809815, Median: 4.0

1st_Road_Number - Mean: 178.97750511247443, Median: 4.0

2nd_Road_Class - Mean: 5.8343558282208585, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000021:

Police_Force - Mean: 1.0, Median: 1.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.720257234726688, Median: 3.0
1st_Road_Number - Mean: 591.6334405144695, Median: 243.0
2nd_Road_Class - Mean: 5.836012861736334, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000022:

Police_Force - Mean: 1.0, Median: 1.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.554856115107914, Median: 3.0
1st_Road_Number - Mean: 238.05845323741008, Median: 23.0
2nd_Road_Class - Mean: 5.857913669064748, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000023:

Police_Force - Mean: 1.0, Median: 1.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.7639751552795033, Median: 3.0
1st_Road_Number - Mean: 273.2335403726708, Median: 21.0
2nd_Road_Class - Mean: 5.883229813664596, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000024:

Police_Force - Mean: 1.0, Median: 1.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.7551487414187643, Median: 3.0
1st_Road_Number - Mean: 151.0800915331808, Median: 217.0
2nd_Road_Class - Mean: 5.814645308924485, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000025:

Police_Force - Mean: 1.0, Median: 1.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 3.738853503184713, Median: 3.0

1st_Road_Number - Mean: 99.60084925690022, Median: 117.0

2nd_Road_Class - Mean: 5.885350318471337, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000026:

Police_Force - Mean: 1.0, Median: 1.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.214, Median: 3.0

1st_Road_Number - Mean: 153.762, Median: 12.0

2nd_Road_Class - Mean: 5.858, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000027:

Police_Force - Mean: 1.0, Median: 1.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 3.5043731778425657, Median: 3.0

1st_Road_Number - Mean: 242.82798833819243, Median: 306.0

2nd_Road_Class - Mean: 5.822157434402333, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000028:

Police_Force - Mean: 1.0, Median: 1.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.7636786961583235, Median: 3.0
1st_Road_Number - Mean: 431.8079161816065, Median: 201.0
2nd_Road_Class - Mean: 5.870779976717113, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000029:

Police_Force - Mean: 1.0, Median: 1.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.135198135198135, Median: 4.0
1st_Road_Number - Mean: 433.1118881118881, Median: 232.0
2nd_Road_Class - Mean: 5.843822843822844, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000030:

Police_Force - Mean: 1.0, Median: 1.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.6388235294117646, Median: 3.0
1st_Road_Number - Mean: 294.6823529411765, Median: 13.0
2nd_Road_Class - Mean: 5.805882352941176, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000031:

Police_Force - Mean: 1.0, Median: 1.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.7155963302752295, Median: 3.0
1st_Road_Number - Mean: 222.1669724770642, Median: 112.0
2nd_Road_Class - Mean: 5.900917431192661, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000032:

Police_Force - Mean: 1.0, Median: 1.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 3.7667410714285716, Median: 3.0

1st_Road_Number - Mean: 93.77008928571429, Median: 24.0

2nd_Road_Class - Mean: 5.873883928571429, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E09000033:

Police_Force - Mean: 1.0, Median: 1.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.214857142857142, Median: 4.0

1st_Road_Number - Mean: 138.41257142857143, Median: 4.0

2nd_Road_Class - Mean: 5.757714285714286, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000002:

Police_Force - Mean: 43.0, Median: 43.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 5.666666666666667, Median: 6.0

1st_Road_Number - Mean: 782.333333333334, Median: 176.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000003:

Police_Force - Mean: 35.0, Median: 35.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.449330783938814, Median: 5.0
1st_Road_Number - Mean: 585.7017208413002, Median: 298.0
2nd_Road_Class - Mean: 5.998087954110899, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000006:

Police_Force - Mean: 3.0, Median: 3.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.976109215017065, Median: 6.0
1st_Road_Number - Mean: 95.73378839590444, Median: 0.0
2nd_Road_Class - Mean: 5.996587030716723, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000007:

Police_Force - Mean: 30.0, Median: 30.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.795138888888889, Median: 5.0
1st_Road_Number - Mean: 197.3125, Median: 53.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000008:

Police_Force - Mean: 50.0, Median: 50.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.951890034364261, Median: 6.0
1st_Road_Number - Mean: 124.20618556701031, Median: 0.0
2nd_Road_Class - Mean: 5.9965635738831615, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000009:

Police_Force - Mean: 55.0, Median: 55.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.881481481481481, Median: 5.0

1st_Road_Number - Mean: 116.11851851851851, Median: 5.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000011:

Police_Force - Mean: 47.0, Median: 47.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.477876106194691, Median: 4.0

1st_Road_Number - Mean: 621.9756637168142, Median: 259.0

2nd_Road_Class - Mean: 5.988938053097345, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000012:

Police_Force - Mean: 42.0, Median: 42.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.982159624413145, Median: 6.0

1st_Road_Number - Mean: 303.51079812206575, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000014:

Police_Force - Mean: 44.0, Median: 44.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.204188481675392, Median: 6.0
1st_Road_Number - Mean: 117.48795811518325, Median: 0.0
2nd_Road_Class - Mean: 5.998952879581152, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000016:

Police_Force - Mean: 46.0, Median: 46.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.708498023715415, Median: 3.0
1st_Road_Number - Mean: 624.4792490118577, Median: 258.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000017:

Police_Force - Mean: 4.0, Median: 4.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.90625, Median: 6.0
1st_Road_Number - Mean: 148.87379807692307, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000018:

Police_Force - Mean: 33.0, Median: 33.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 3.533333333333333, Median: 4.0
1st_Road_Number - Mean: 503.6, Median: 582.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000019:

Police_Force - Mean: 32.0, Median: 32.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.650224215246637, Median: 5.0

1st_Road_Number - Mean: 476.9529147982063, Median: 57.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000020:

Police_Force - Mean: 36.0, Median: 36.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.466819221967963, Median: 5.0

1st_Road_Number - Mean: 534.1784897025171, Median: 605.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000021:

Police_Force - Mean: 34.0, Median: 34.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.0, Median: 4.0

1st_Road_Number - Mean: 421.75, Median: 538.5

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000023:

Police_Force - Mean: 12.0, Median: 12.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.586206896551724, Median: 5.0
1st_Road_Number - Mean: 501.8965517241379, Median: 251.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000024:

Police_Force - Mean: 31.0, Median: 31.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.259958071278826, Median: 6.0
1st_Road_Number - Mean: 105.52830188679245, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000025:

Police_Force - Mean: 43.0, Median: 43.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.073643410852713, Median: 6.0
1st_Road_Number - Mean: 289.5232558139535, Median: 320.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000027:

Police_Force - Mean: 52.0, Median: 52.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.792828685258964, Median: 6.0
1st_Road_Number - Mean: 41.05577689243028, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000028:

Police_Force - Mean: 21.0, Median: 21.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.649635036496351, Median: 5.0

1st_Road_Number - Mean: 194.97080291970804, Median: 73.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000029:

Police_Force - Mean: 37.0, Median: 37.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.70042194092827, Median: 5.0

1st_Road_Number - Mean: 532.5569620253165, Median: 145.5

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000030:

Police_Force - Mean: 45.0, Median: 45.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 3.994029850746269, Median: 4.0

1st_Road_Number - Mean: 523.9910447761195, Median: 287.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000031:

Police_Force - Mean: 23.0, Median: 23.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.96113074204947, Median: 6.0
1st_Road_Number - Mean: 136.57243816254416, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000032:

Police_Force - Mean: 47.0, Median: 47.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.821522309711286, Median: 6.0
1st_Road_Number - Mean: 492.88188976377955, Median: 0.0
2nd_Road_Class - Mean: 5.973753280839895, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for E10000034:

Police_Force - Mean: 22.0, Median: 22.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.93333333333334, Median: 6.0
1st_Road_Number - Mean: 105.22592592592592, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for EHEATHROW:

Police_Force - Mean: 1.0, Median: 1.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 6.0, Median: 6.0
1st_Road_Number - Mean: 0.0, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for W06000001:

Police_Force - Mean: 60.0, Median: 60.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.5, Median: 4.5

1st_Road_Number - Mean: 2.5, Median: 2.5

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for W06000002:

Police_Force - Mean: 60.0, Median: 60.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.714285714285714, Median: 6.0

1st_Road_Number - Mean: 2.142857142857143, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for W06000003:

Police_Force - Mean: 60.0, Median: 60.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.423076923076923, Median: 3.0

1st_Road_Number - Mean: 283.62820512820514, Median: 470.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for W06000004:

Police_Force - Mean: 60.0, Median: 60.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.05, Median: 3.0
1st_Road_Number - Mean: 350.4, Median: 525.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for W06000005:

Police_Force - Mean: 60.0, Median: 60.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.23404255319149, Median: 6.0
1st_Road_Number - Mean: 139.4468085106383, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for W06000006:

Police_Force - Mean: 60.0, Median: 60.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.236363636363636, Median: 6.0
1st_Road_Number - Mean: 135.9090909090909, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for W06000008:

Police_Force - Mean: 63.0, Median: 63.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.538461538461538, Median: 5.0
1st_Road_Number - Mean: 262.2307692307692, Median: 487.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for W06000010:

Police_Force - Mean: 63.0, Median: 63.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 4.705882352941177, Median: 6.0

1st_Road_Number - Mean: 207.7843137254902, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for W06000011:

Police_Force - Mean: 62.0, Median: 62.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 5.323943661971831, Median: 6.0

1st_Road_Number - Mean: 75.14788732394366, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for W06000012:

Police_Force - Mean: 62.0, Median: 62.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 5.175, Median: 6.0

1st_Road_Number - Mean: 119.7, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for W06000013:

Police_Force - Mean: 62.0, Median: 62.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.441860465116279, Median: 6.0
1st_Road_Number - Mean: 88.0, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for W06000014:

Police_Force - Mean: 62.0, Median: 62.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.93333333333334, Median: 6.0
1st_Road_Number - Mean: 1.0666666666666667, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for W06000015:

Police_Force - Mean: 62.0, Median: 62.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.4324324324324325, Median: 6.0
1st_Road_Number - Mean: 68.88513513513513, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for W06000016:

Police_Force - Mean: 62.0, Median: 62.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.890909090909091, Median: 6.0
1st_Road_Number - Mean: 17.2, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for W06000018:

Police_Force - Mean: 61.0, Median: 61.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 5.338235294117647, Median: 6.0

1st_Road_Number - Mean: 103.69117647058823, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for W06000019:

Police_Force - Mean: 61.0, Median: 61.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 5.837837837837838, Median: 6.0

1st_Road_Number - Mean: 25.18918918918919, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for W06000020:

Police_Force - Mean: 61.0, Median: 61.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0

Number_of_Casualties - Mean: 1.0, Median: 1.0

1st_Road_Class - Mean: 5.857142857142857, Median: 6.0

1st_Road_Number - Mean: 29.0, Median: 0.0

2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number - Mean: 0.0, Median: 0.0

Speed_limit - Mean: 30.0, Median: 30.0

Statistics for W06000021:

Police_Force - Mean: 61.0, Median: 61.0

Accident_Severity - Mean: 3.0, Median: 3.0

Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.0, Median: 6.0
1st_Road_Number - Mean: 14.66666666666666, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for W06000022:

Police_Force - Mean: 61.0, Median: 61.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 5.8023255813953485, Median: 6.0
1st_Road_Number - Mean: 27.209302325581394, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for W06000023:

Police_Force - Mean: 63.0, Median: 63.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 4.285714285714286, Median: 3.0
1st_Road_Number - Mean: 276.85714285714283, Median: 483.0
2nd_Road_Class - Mean: 6.0, Median: 6.0
2nd_Road_Number - Mean: 0.0, Median: 0.0
Speed_limit - Mean: 30.0, Median: 30.0

Statistics for W06000024:

Police_Force - Mean: 62.0, Median: 62.0
Accident_Severity - Mean: 3.0, Median: 3.0
Number_of_Vehicles - Mean: 2.0, Median: 2.0
Number_of_Casualties - Mean: 1.0, Median: 1.0
1st_Road_Class - Mean: 6.0, Median: 6.0
1st_Road_Number - Mean: 0.0, Median: 0.0
2nd_Road_Class - Mean: 6.0, Median: 6.0

2nd_Road_Number – Mean: 0.0, Median: 0.0

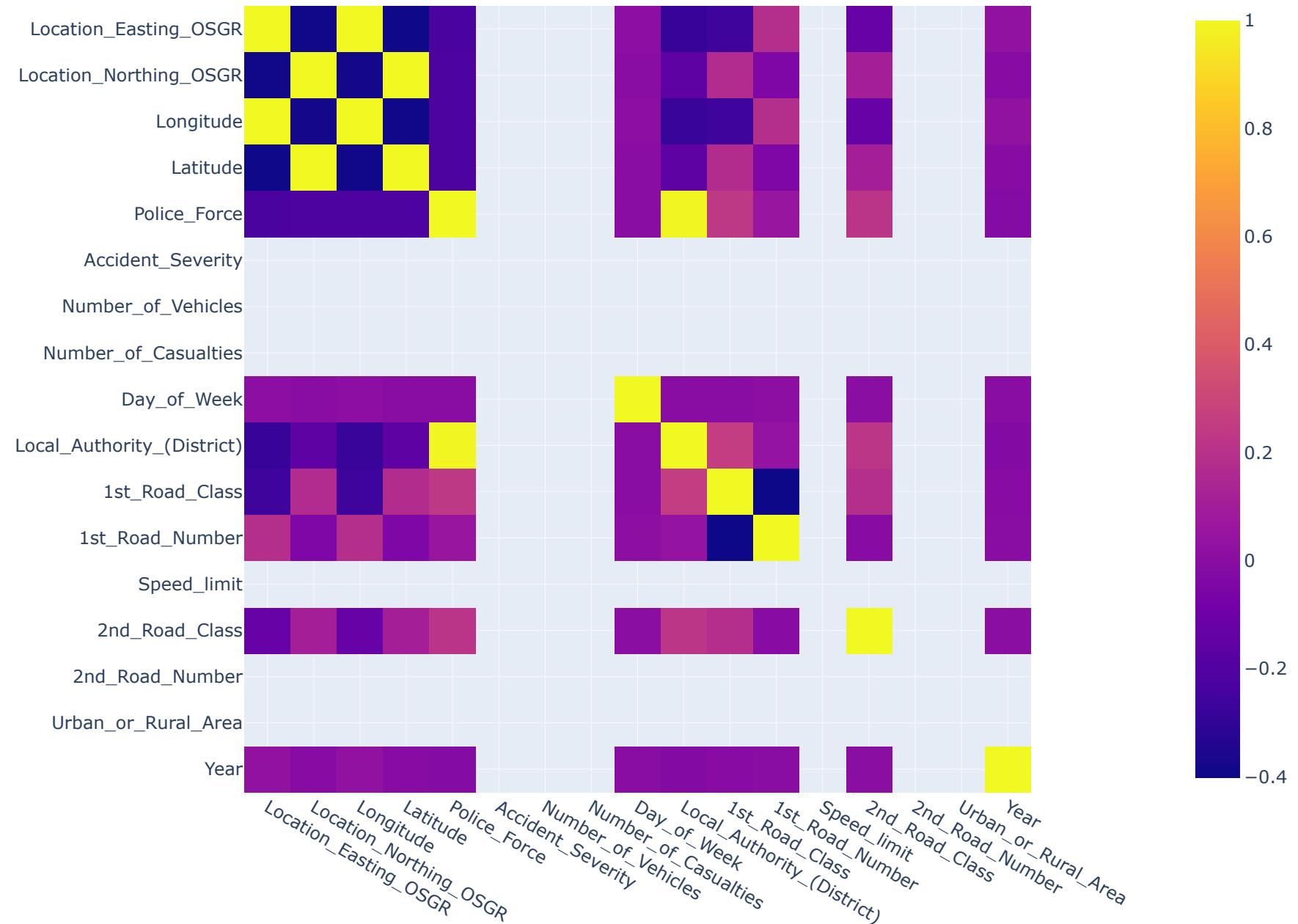
Speed_limit – Mean: 30.0, Median: 30.0

In [36]: `finalDF.corr()`

Out[36]:

	Location_Easting_OSGR	Location_Northing_OSGR	Longitude	Latitude	Police_Force	Accident_Severity	Number_of_Vehicles
Location_Easting_OSGR	1.000000	-0.391284	0.999786	-0.396755	-0.227497	NaN	NaN
Location_Northing_OSGR	-0.391284	1.000000	-0.384939	0.999962	-0.221444	NaN	NaN
Longitude	0.999786	-0.384939	1.000000	-0.390440	-0.224209	NaN	NaN
Latitude	-0.396755	0.999962	-0.390440	1.000000	-0.220901	NaN	NaN
Police_Force	-0.227497	-0.221444	-0.224209	-0.220901	1.000000	NaN	NaN
Accident_Severity	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Number_of_Vehicles	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Number_of_Casualties	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Day_of_Week	0.004820	-0.003244	0.004743	-0.003275	-0.003718	NaN	NaN
Local_Authority_(District)	-0.288372	-0.158429	-0.284760	-0.157605	0.988353	NaN	NaN
1st_Road_Class	-0.266669	0.166330	-0.263737	0.167456	0.229450	NaN	NaN
1st_Road_Number	0.180513	-0.045752	0.180573	-0.047238	0.049947	NaN	NaN
Speed_limit	NaN	NaN	NaN	NaN	NaN	NaN	NaN
2nd_Road_Class	-0.132798	0.101679	-0.130861	0.101933	0.208119	NaN	NaN
2nd_Road_Number	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Urban_or_Rural_Area	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Year	0.029416	-0.011485	0.029289	-0.011633	-0.022043	NaN	NaN

```
In [37]: fig = px.imshow(finalDF.corr())
fig.update_layout(width=900, height=700)
fig.show()
```

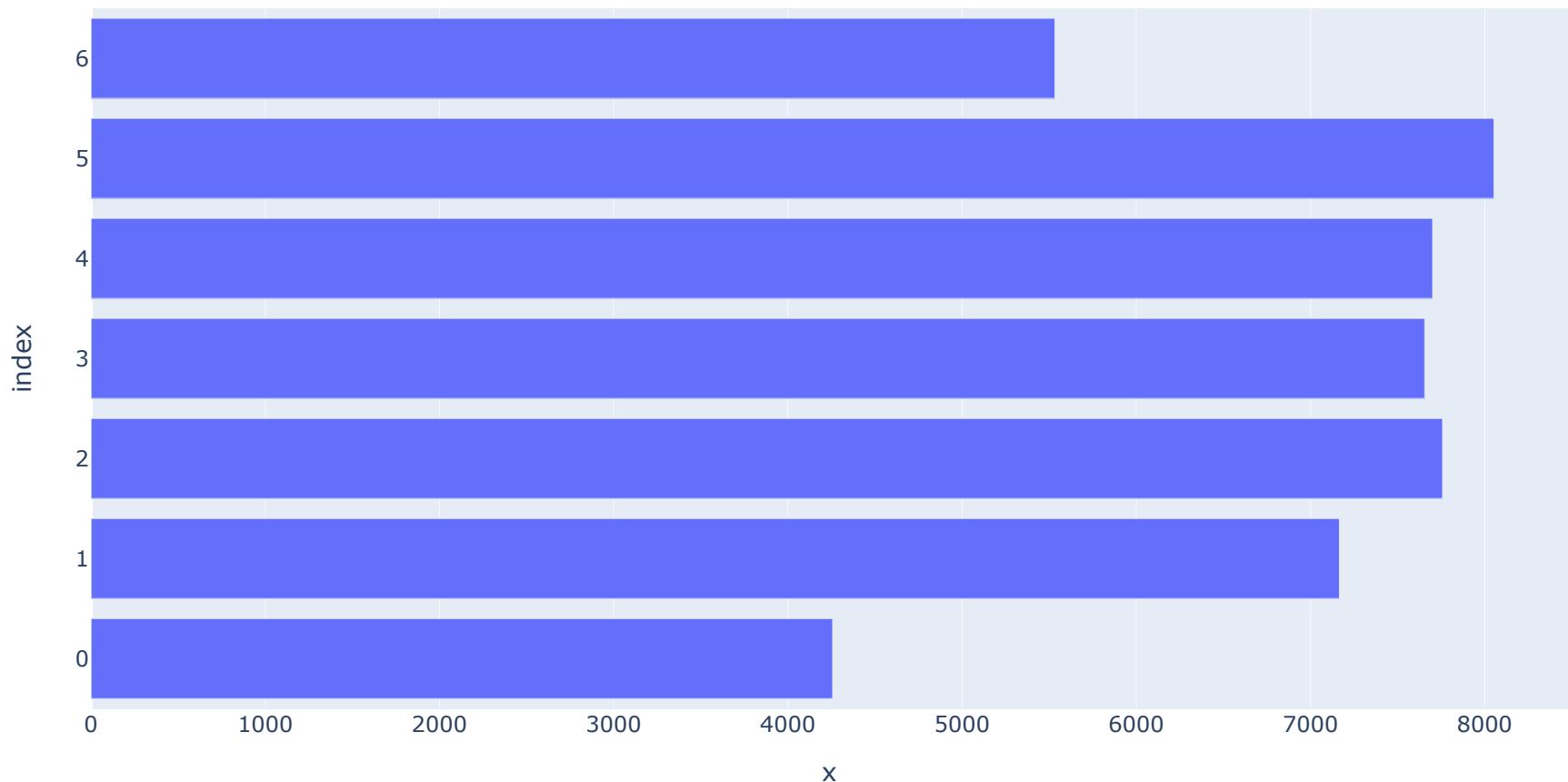


```
In [38]: dayofWeek = pd.DataFrame(finalDF.groupby('Day_of_Week')['Accident_Index'].count()).reset_index()  
dayofWeek
```

Out[38]:

	Day_of_Week	Accident_Index
0	1	4257
1	2	7166
2	3	7758
3	4	7655
4	5	7701
5	6	8053
6	7	5533

```
In [39]: px.bar(dayofWeek['Day_of_Week'], dayofWeek['Accident_Index'])
```



```
In [40]: # Heat Map of Areas  
import numpy as np  
import folium  
import folium.plugins as plugins
```

```
In [41]: finalDF['Location'] = finalDF['Latitude'].astype(str) + ', ' + finalDF['Longitude'].astype(str)

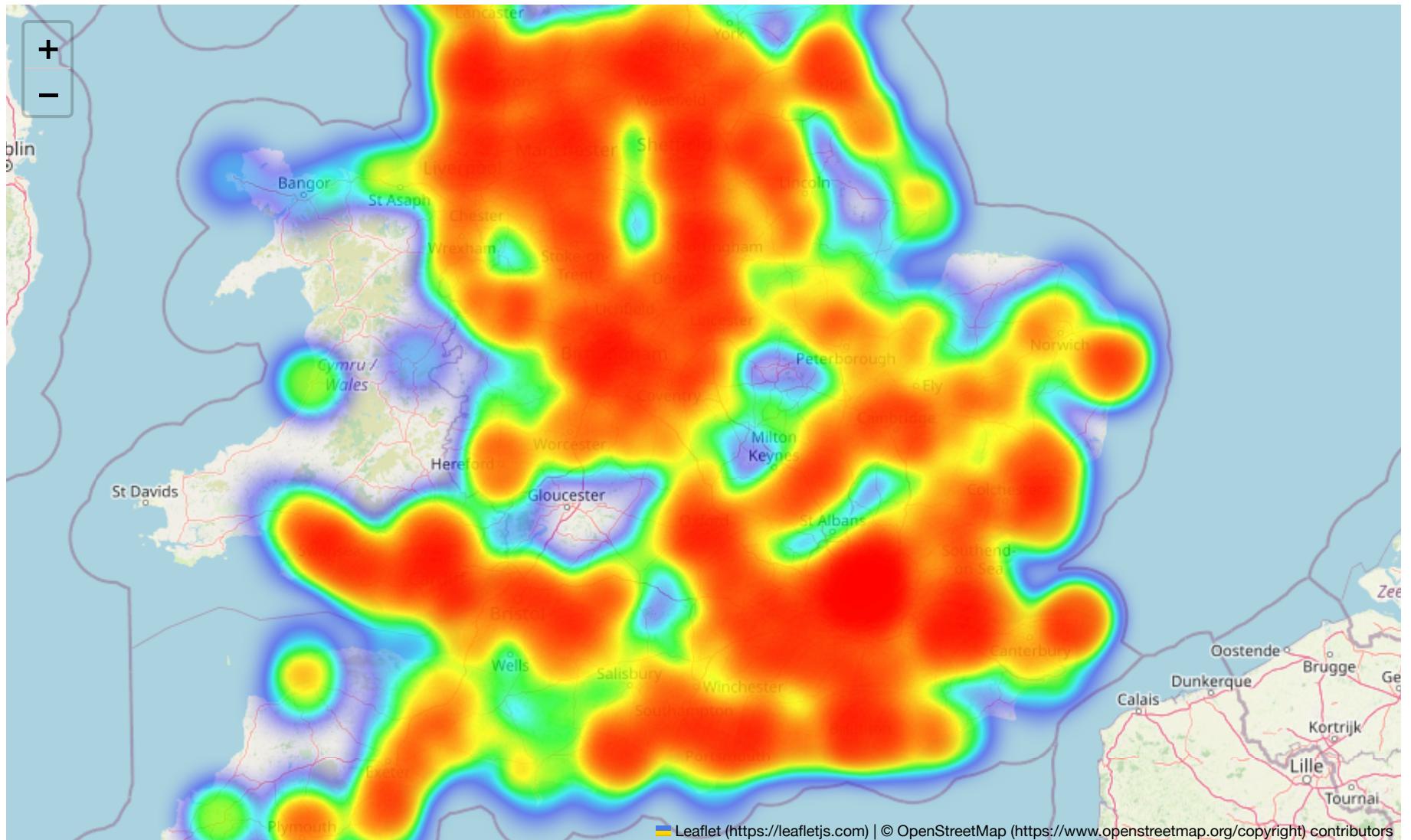
locationMean = pd.DataFrame(finalDF['Location'].value_counts())
locationMean.reset_index(inplace=True)
locationMean[['Latitude', 'Longitude']] = locationMean['index'].str.split(', ', expand=True)
locationMean.rename(columns={'Location': 'Number of Incidents'}, inplace=True)

del locationMean['index']
locationMean[['Latitude', 'Longitude']] = locationMean[['Latitude', 'Longitude']].apply(pd.to_numeric)

location = locationMean['Latitude'].mean(), locationMean['Longitude'].mean()
data_heat = locationMean[['Latitude', 'Longitude', 'Number of Incidents']].values.tolist()
```

```
In [42]: m = folium.Map(location=location, zoom_start=7)
plugins.HeatMap(data_heat).add_to(m)
m
```

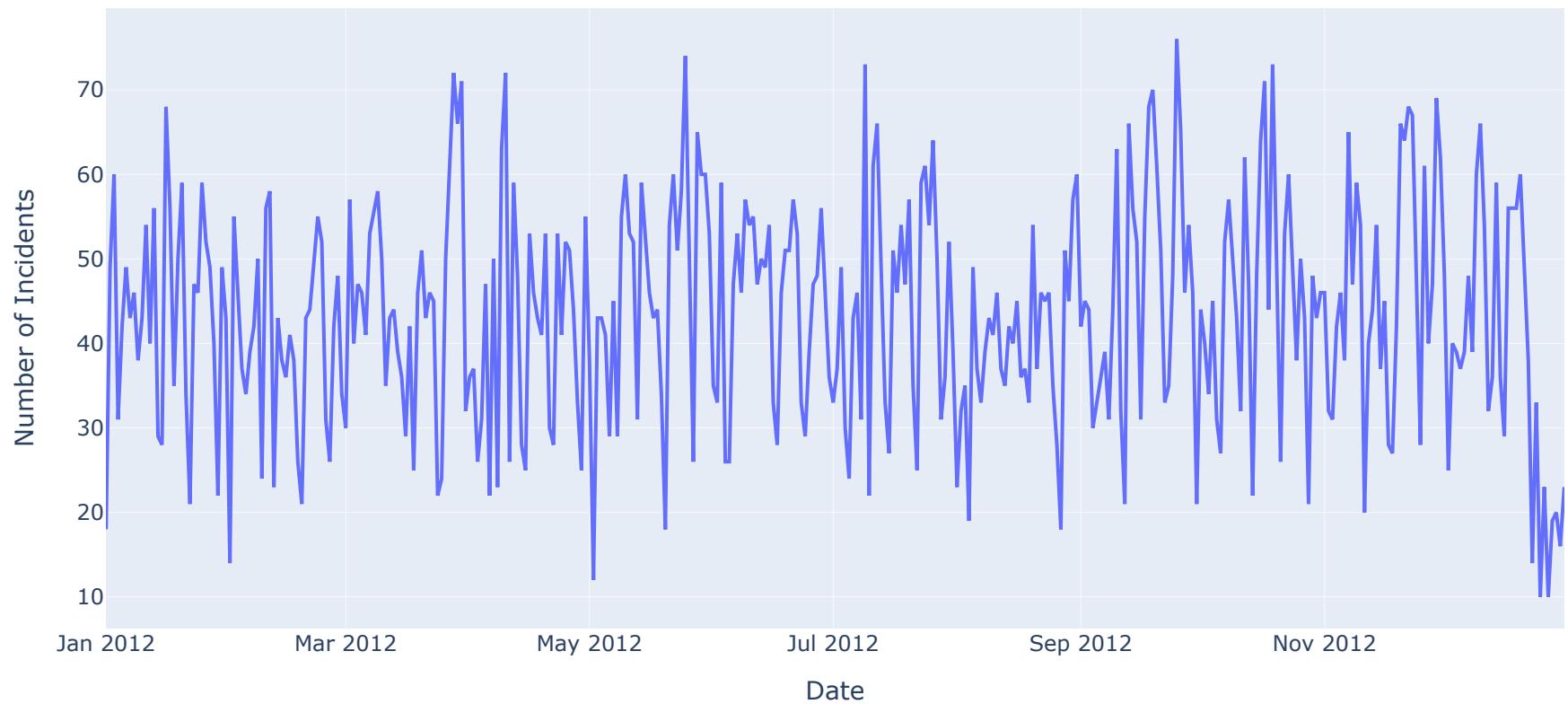
Out[42]:



```
In [43]: # Year Wise : 2012
sampData = finalDF[finalDF['Year']==2012]
samp = pd.DataFrame(sampData['Date'].value_counts())
samp.reset_index(inplace=True)
samp.sort_values(by='index', inplace=True)
samp['index'] = samp['index'].astype('str')
samp.rename(columns={'index': 'Date', 'Date':'Number of Incidents'}, inplace=True)

fig = px.line(samp, x="Date", y="Number of Incidents", title='Number of Incidents (Year 2012)')
fig.show()
```

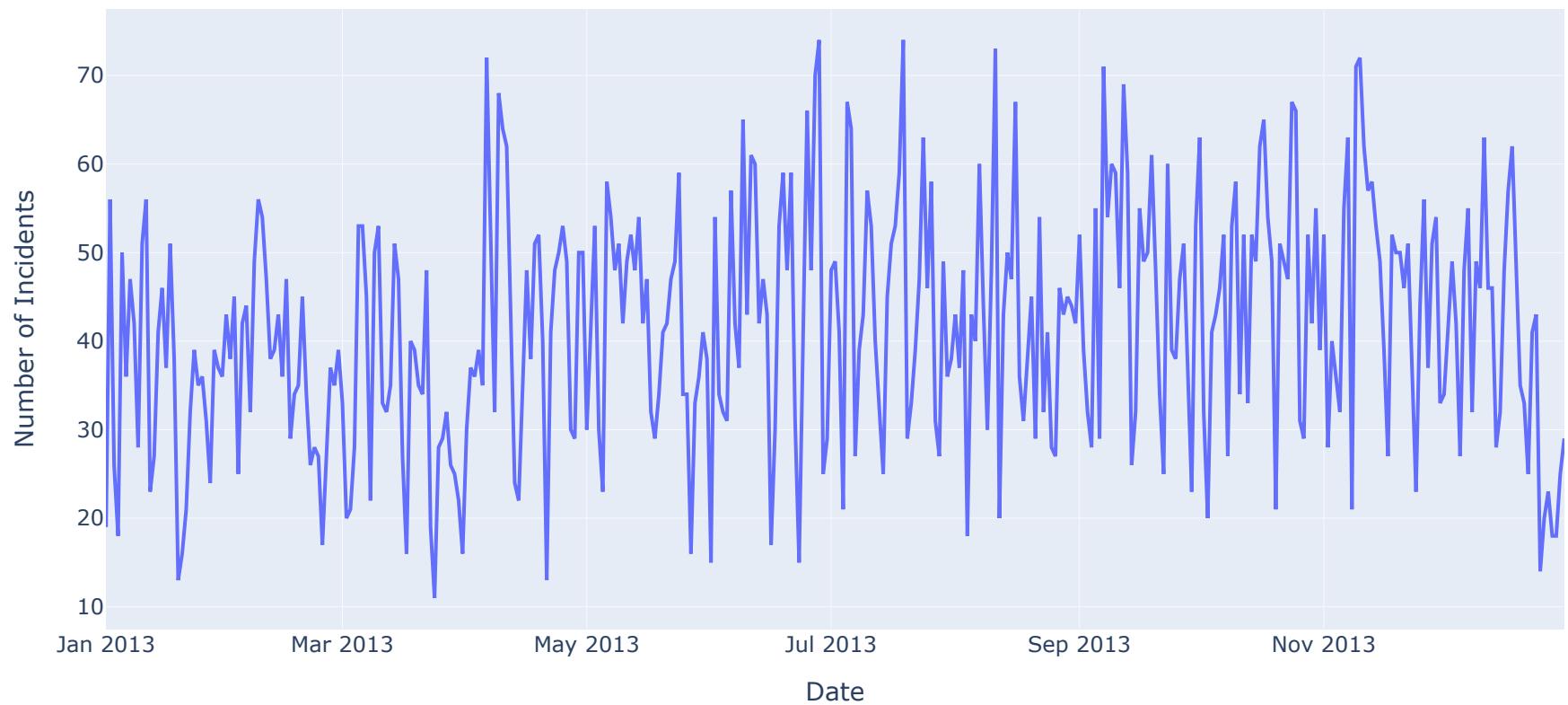
Number of Incidents (Year 2012)



```
In [44]: # Year Wise : 2013
sampData = finalDF[finalDF['Year']==2013]
samp = pd.DataFrame(sampData['Date'].value_counts())
samp.reset_index(inplace=True)
samp.sort_values(by='index', inplace=True)
samp['index'] = samp['index'].astype('str')
samp.rename(columns={'index': 'Date', 'Date':'Number of Incidents'}, inplace=True)

fig = px.line(samp, x="Date", y="Number of Incidents", title='Number of Incidents (Year 2013)')
fig.show()
```

Number of Incidents (Year 2013)

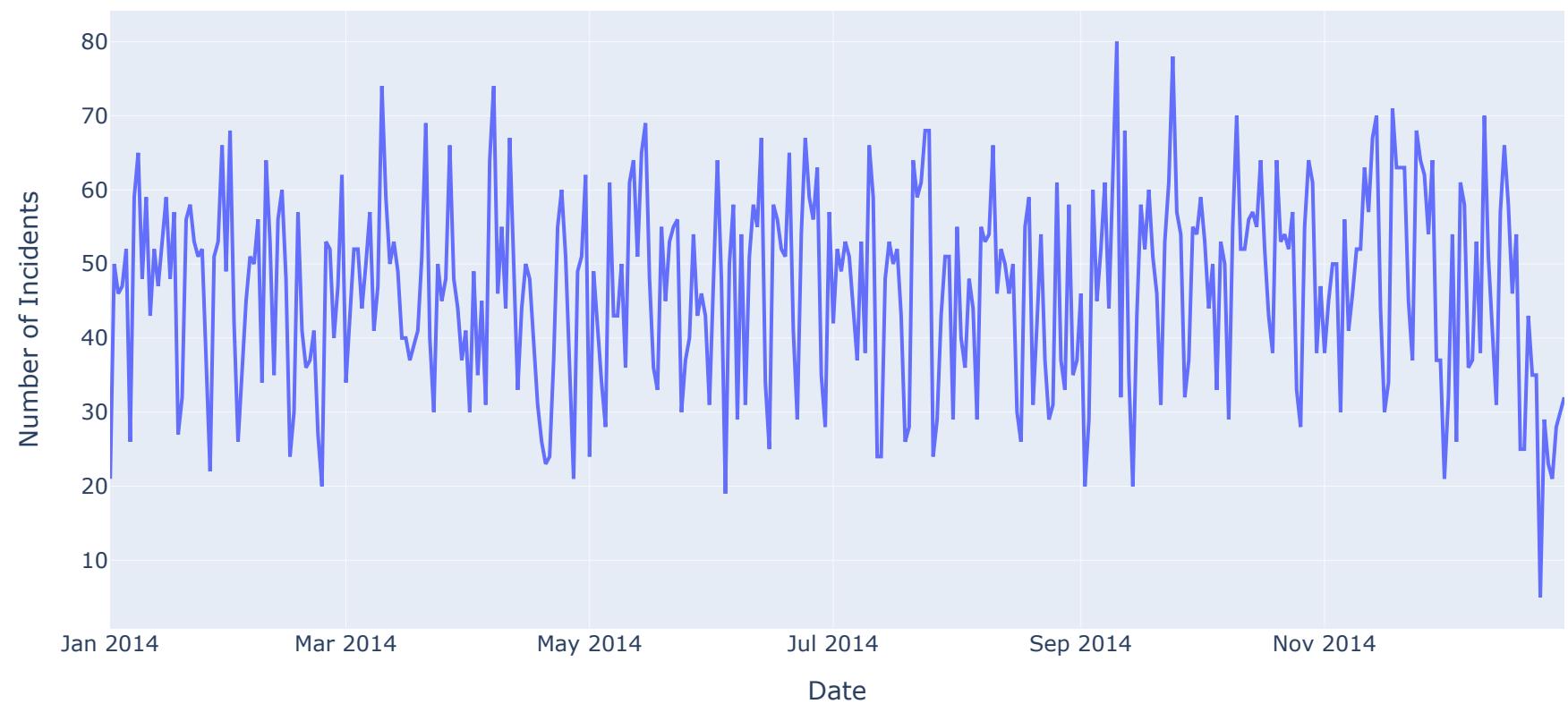


In [45]: # Year Wise : 2014

```
sampData = finalDF[finalDF['Year']==2014]
samp = pd.DataFrame(sampData['Date'].value_counts())
samp.reset_index(inplace=True)
samp.sort_values(by='index', inplace=True)
samp['index'] = samp['index'].astype('str')
samp.rename(columns={'index': 'Date', 'Date':'Number of Incidents'}, inplace=True)

fig = px.line(samp, x="Date", y="Number of Incidents", title='Number of Incidents (Year 2014)')
fig.show()
```

Number of Incidents (Year 2014)



```
In [46]: samp2 = pd.DataFrame(finalDF['Date'].value_counts())
samp2.reset_index(inplace=True)
samp2.sort_values(by='index', inplace=True)

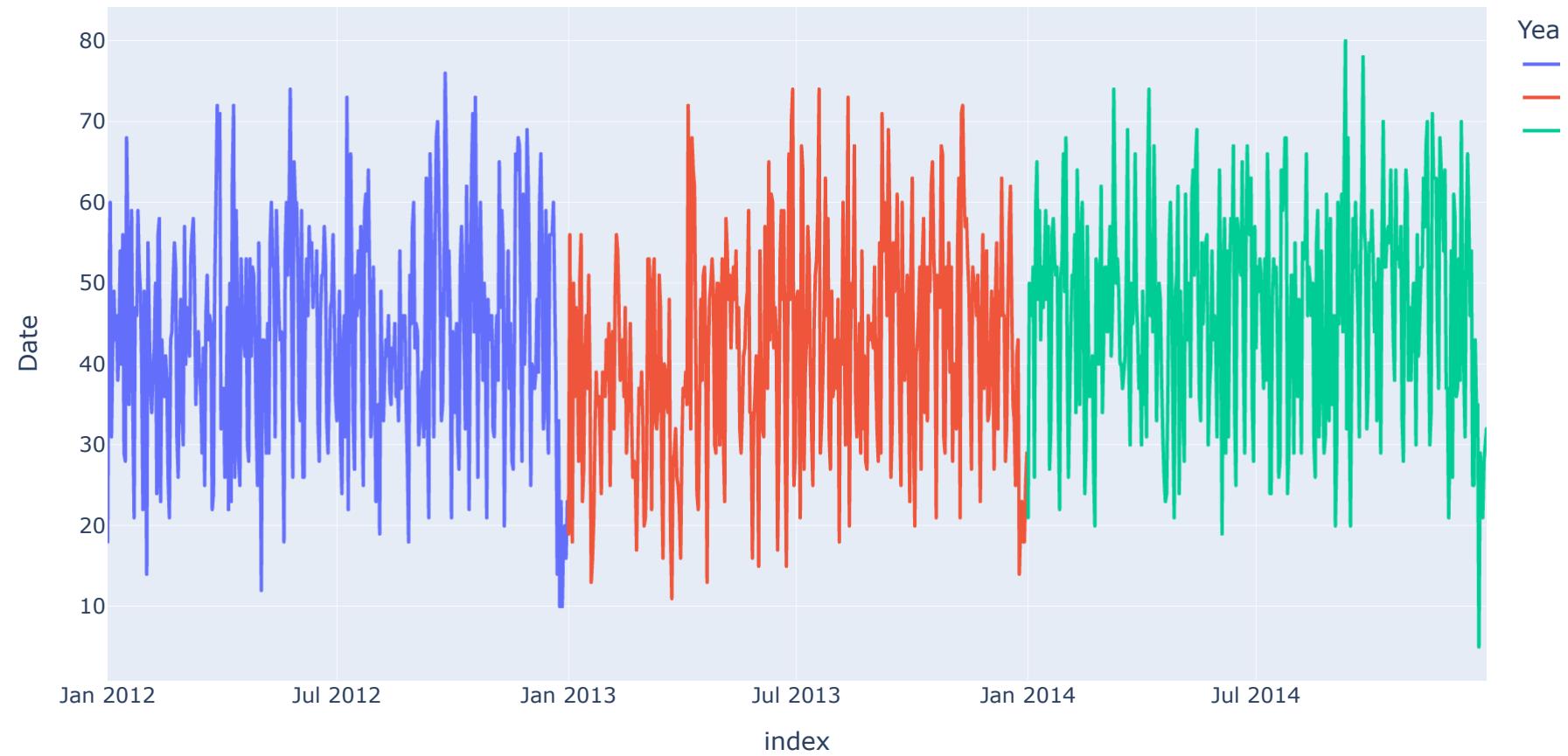
samp2['index'] = pd.to_datetime(samp2['index'])
samp2['Year'] = samp2['index'].dt.year

print(samp2)

fig = px.line(samp2, x="index", y="Date", color='Year')
fig.show()
```

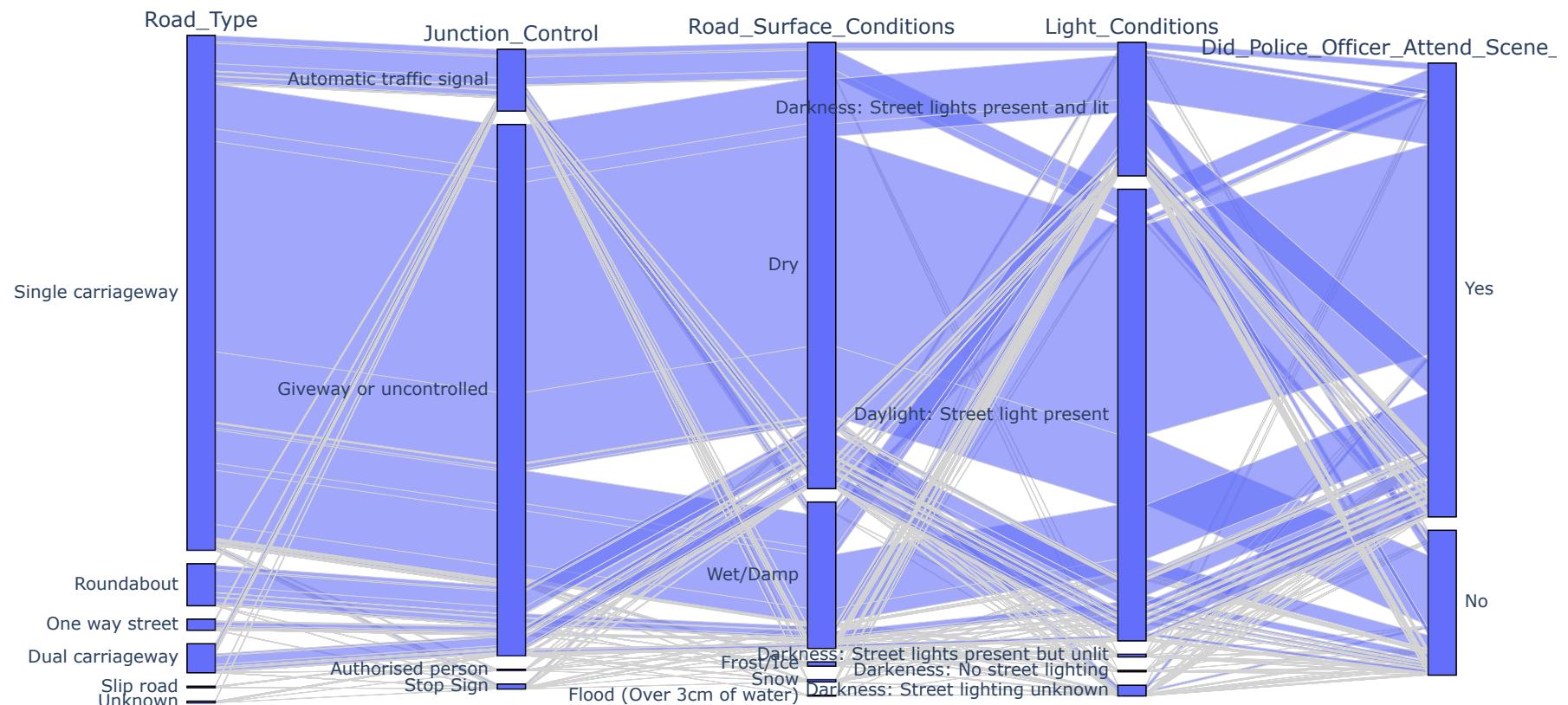
	index	Date	Year
1071	2012-01-01	18	2012
428	2012-01-02	49	2012
121	2012-01-03	60	2012
880	2012-01-04	31	2012
629	2012-01-05	42	2012
...
1030	2014-12-27	23	2014
1055	2014-12-28	21	2014
960	2014-12-29	28	2014
914	2014-12-30	30	2014
854	2014-12-31	32	2014

[1096 rows x 3 columns]

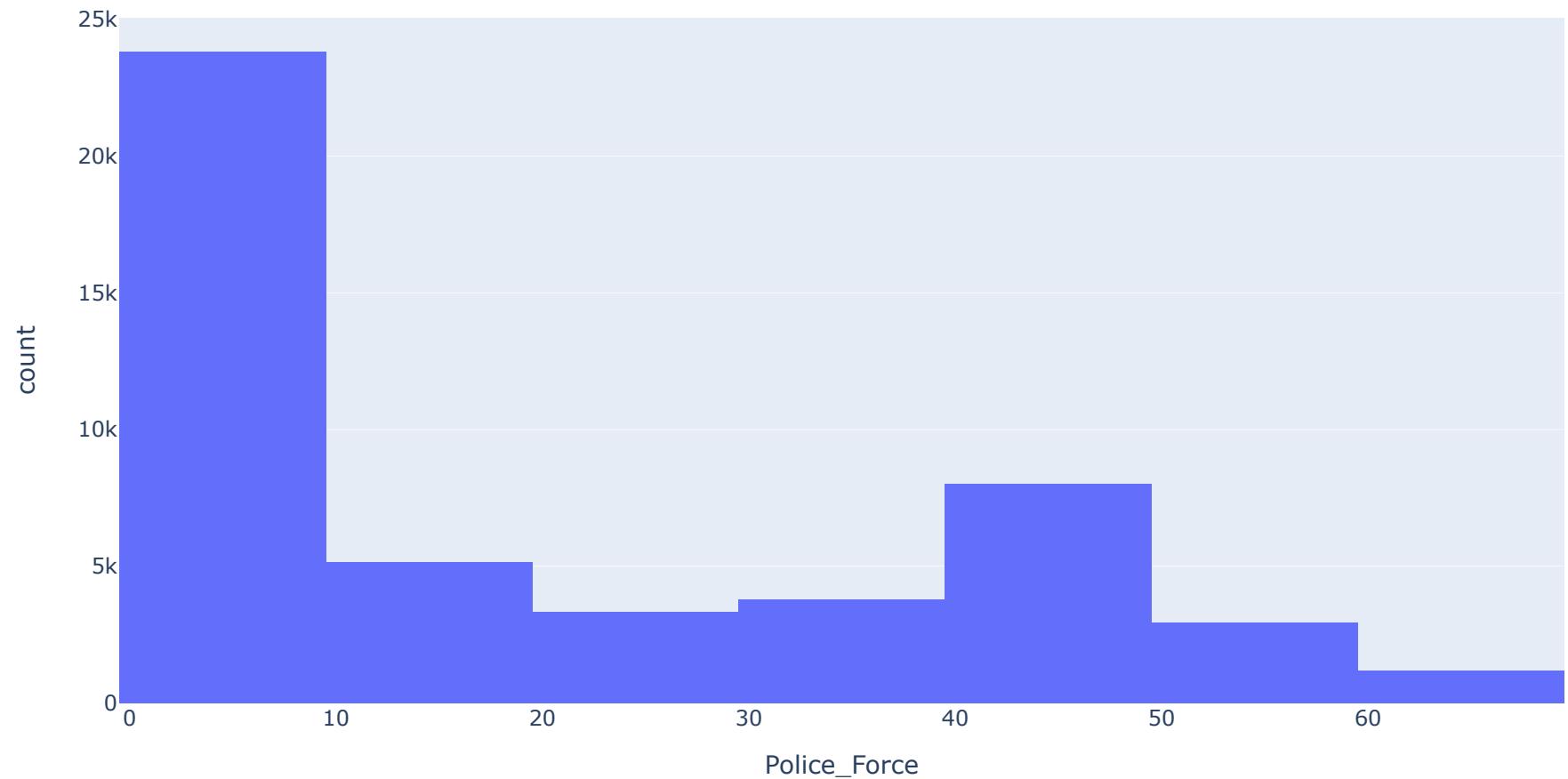


```
In [47]: df_categorical = finalDF.select_dtypes(include=['category', 'object'])
df_categorical_LIMITED = df_categorical[['Road_Type', 'Junction_Control', 'Road_Surface_Conditions',
                                         'Light_Conditions', 'Did_Police_Officer_Attend_Scene_of_Accident']]

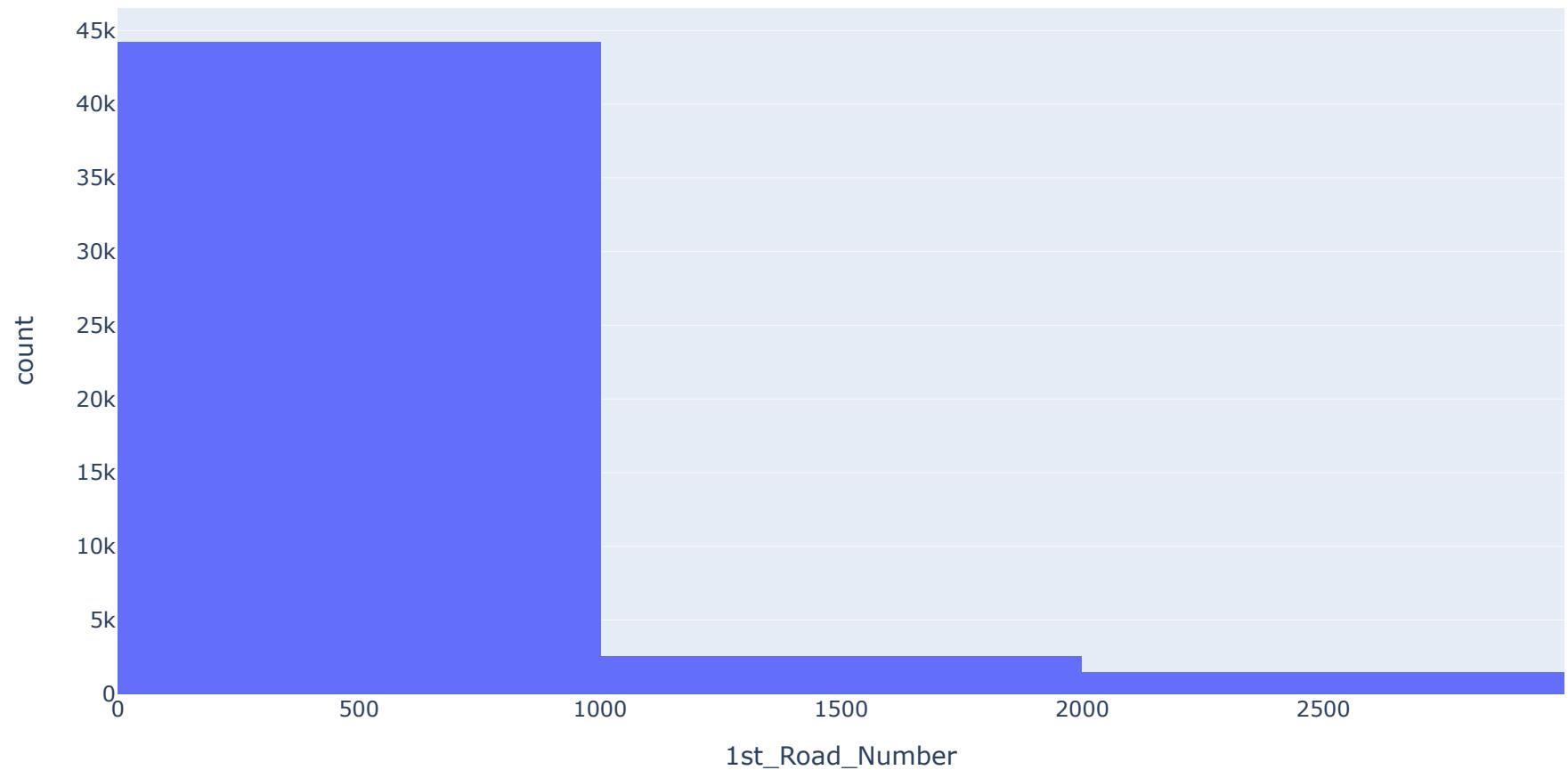
fig = px.parallel_categories(df_categorical_LIMITED)
fig.show()
```



```
In [48]: fig = px.histogram(finalDF, x=finalDF['Police_Force'], nbins=7)
fig.show()
```



```
In [49]: fig = px.histogram(finalDF, x=finalDF['1st_Road_Number'], nbins=5)
fig.show()
```



In [50]: `finalDF.head()`

Out[50]:

	Accident_Index	Location_Easting_OSGR	Location_Northing_OSGR	Longitude	Latitude	Police_Force	Accident_Severity	Number_of_Vehicles	N
0	201201BS70001	527200	178760	-0.169101	51.493429	1	3	2	
1	201201BS70002	524930	181430	-0.200838	51.517931	1	3	2	
7	201201BS70008	524010	182080	-0.213862	51.523975	1	3	2	
8	201201BS70010	527710	179290	-0.161567	51.498077	1	3	2	
9	201201BS70011	525120	180060	-0.198587	51.505576	1	3	2	

```
In [51]: for i in finalDF.columns:  
    print('-----')  
    print('Column: ', i)  
    print('-----')  
    print(finalDF[i].unique())  
    print('Total Count of Unique Values: ', finalDF[i].nunique())
```

Column: Accident_Index

```
['201201BS70001' '201201BS70002' '201201BS70008' ... '201463DP07014'  
 '201463DP18514' '201463DP22014']
```

Total Count of Unique Values: 35484

Column: Location_Easting_OSGR

```
[527200 524930 524010 ... 310510 278700 309530]
```

Total Count of Unique Values: 26737

Column: Location_Northing_OSGR

```
[178760 181430 182080 ... 220160 210340 290790]
```

Total Count of Unique Values: 26007

Column: Longitude

```
[-0.169101 -0.200838 -0.213862 ... -3.318886 -3.759722 -3.334419]
```

Total Count of Unique Values: 43793

Column: Latitude

```
[51.493429 51.517931 51.523975 ... 52.510315 51.7785 52.507444]
```

Total Count of Unique Values: 43423

Column: Police_Force

```
[ 1 48  3  4  5  6  7 10 11 12 13 14 16 17 20 21 22 23 30 31 32 33 34 35  
 36 37 40 42 43 44 45 46 47 50 52 54 55 60 61 62 63]
```

Total Count of Unique Values: 41

Column: Accident_Severity

```
[3]
```

Total Count of Unique Values: 1

Column: Number_of_Vehicles

```
[2]
```

Total Count of Unique Values: 1

Column: Number_of_Casualties

[1]

Total Count of Unique Values: 1

Column: Date

['2012-01-19T00:00:00.000000000' '2012-04-01T00:00:00.000000000'
'2012-07-01T00:00:00.000000000' ... '2014-12-14T00:00:00.000000000'
'2014-02-19T00:00:00.000000000' '2014-12-25T00:00:00.000000000']

Total Count of Unique Values: 1096

Column: Day_of_Week

[5 4 7 2 1 6 3]

Total Count of Unique Values: 7

Column: Time

['20:35' '17:00' '11:29' ... '02:01' '05:31' '02:48']

Total Count of Unique Values: 1362

Column: Local_Authority_(District)

12	1	11	570	5	2	28	3	4	31	25	27	17	57	13	14	16	15	
9	10	8	20	7	6	19	29	30	18	32	24	23	22	21	26	62	63	
65	60	64	61	74	71	76	79	85	73	84	83	70	75	80	72	77	82	
91	93	95	90	92	102	107	110	109	100	114	112	101	106	104	130	129	128	
124	147	148	139	146	169	161	189	182	186	181	187	184	204	204	203	200	206	202
211	210	213	215	233	232	231	228	240	241	243	245	309	307	303	305	306	302	
300	254	253	250	257	256	255	251	252	258	273	276	277	270	274	278	284	285	
286	290	294	291	293	292	325	329	327	321	320	322	324	323	328	340	344	345	
341	346	347	343	342	350	354	351	352	356	353	355	364	365	367	362	361	382	
390	395	394	393	392	391	404	406	402	400	407	401	405	416	412	414	410	411	
413	415	420	424	421	462	451	450	460	456	453	454	461	455	463	459	452	458	
457	476	484	482	483	481	485	471	492	502	500	497	491	499	496	493	498	495	
490	494	505	501	518	513	38	517	511	514	516	40	512	510	515	532	535	533	
544	541	531	530	542	538	543	540	536	539	563	558	560	565	555	552	564	562	
551	554	557	559	556	596	582	588	581	583	587	585	589	580	586	610	608	607	
606	609	612	601	611	605	635	633	643	640	641	644	646	647	642	721	724	723	

```
725 722 733 730 731 734 732 741 746 745 744 740 743 742 751 750 753 185  
368 366 384 470 473 474 475 472 584 645 720 180 386 477]
```

Total Count of Unique Values: 320

Column: Local_Authority_(Highway)

```
['E09000020', 'E09000033', 'E09000013', 'E09000001', 'E09000030', 'E09000007',  
 'E09000005', 'E09000019', 'E09000012', 'E09000014', 'E09000018', 'E09000009',  
 'E09000025', 'EHEATHROW', 'E09000031', 'E09000026', 'E09000002', 'E09000016',  
 'E09000022', 'E09000032', 'E09000028', 'E09000008', 'E09000023', 'E09000011',  
 'E09000006', 'E09000015', 'E09000003', 'E09000004', 'E09000010', 'E09000027',  
 'E09000021', 'E09000024', 'E09000029', 'E09000017', 'E10000006', 'E10000017',  
 'E06000009', 'E06000008', 'E08000012', 'E08000014', 'E08000015', 'E08000011',  
 'E08000013', 'E08000003', 'E08000006', 'E08000008', 'E08000007', 'E08000001',  
 'E08000010', 'E08000009', 'E08000002', 'E08000005', 'E08000004', 'E06000050',  
 'E06000049', 'E06000007', 'E06000006', 'E08000021', 'E08000022', 'E06000048',  
 'E08000020', 'E06000047', 'E06000005', 'E06000014', 'E10000023', 'E08000035',  
 'E08000034', 'E08000032', 'E08000036', 'E08000033', 'E08000017', 'E08000016',  
 'E08000018', 'E08000019', 'E06000012', 'E06000013', 'E06000011', 'E06000010',  
 'E06000001', 'E06000003', 'E06000002', 'E06000004', 'E08000031', 'E08000030',  
 'E08000027', 'E08000028', 'E08000029', 'E08000026', 'E08000025', 'E10000028',  
 'E06000021', 'E10000034', 'E06000020', 'E06000019', 'E06000051', 'E10000031',  
 'E10000007', 'E06000015', 'E10000024', 'E06000018', 'E10000019', 'E06000016',  
 'E10000018', 'E10000021', 'E10000003', 'E06000031', 'E10000020', 'E10000029',  
 'E06000055', 'E06000056', 'E06000032', 'E06000034', 'E10000012', 'E06000033',  
 'E10000002', 'E10000025', 'E06000037', 'E10000014', 'E06000045', 'E06000044',  
 'E06000046', 'E10000030', 'E10000016', 'E06000035', 'E10000032', 'E06000043',  
 'E10000011', 'E06000052', 'E10000008', 'E06000026', 'E06000027', 'E10000027',  
 'E06000025', 'E06000023', 'E06000022', 'E06000024', 'E06000054', 'E06000030',  
 'E06000029', 'E06000028', 'E10000009', 'W06000003', 'W06000005', 'W06000004',  
 'W06000006', 'W06000002', 'W06000022', 'W06000019', 'W06000018', 'W06000020',  
 'W06000021', 'W06000015', 'W06000014', 'W06000011', 'W06000016', 'W06000013',  
 'W06000012', 'W06000024', 'W06000010', 'W06000008', 'W06000023', 'E06000017',  
 'E06000036', 'E06000039', 'E06000040', 'E06000041', 'E06000038', 'W06000001']
```

Total Count of Unique Values: 168

Column: 1st_Road_Class

```
[3 4 6 5 2 1]
```

Total Count of Unique Values: 6

Column: 1st_Road_Number

```
-----  
[ 308  412  450 ... 2136 2233 163]  
Total Count of Unique Values: 1190  
-----  
Column: Road_Type  
-----  
['Single carriageway' 'Roundabout' 'One way street' 'Dual carriageway'  
 'Slip road' 'Unknown']  
Total Count of Unique Values: 6  
-----  
Column: Speed_limit  
-----  
[30]  
Total Count of Unique Values: 1  
-----  
Column: Junction_Control  
-----  
['Automatic traffic signal' 'Giveaway or uncontrolled' 'Authorised person'  
 'Stop Sign']  
Total Count of Unique Values: 4  
-----  
Column: 2nd_Road_Class  
-----  
[5 6]  
Total Count of Unique Values: 2  
-----  
Column: 2nd_Road_Number  
-----  
[0]  
Total Count of Unique Values: 1  
-----  
Column: Pedestrian_Crossing-Human_Control  
-----  
['None within 50 metres' 'Control by school crossing patrol'  
 'Control by other authorised person']  
Total Count of Unique Values: 3  
-----  
Column: Pedestrian_Crossing-Physical_Facilities  
-----  
['Pedestrian phase at traffic signal junction'  
 'No physical crossing within 50 meters' 'Zebra crossing'  
 'non-junction pedestrian crossing' 'Central refuge']
```

```
'Footbridge or subway']
Total Count of Unique Values: 6
-----
Column: Light_Conditions
-----
['Darkness: Street lights present and lit'
 'Daylight: Street light present'
 'Darkness: Street lights present but unlit'
 'Darkness: No street lighting' 'Darkness: Street lighting unknown']
Total Count of Unique Values: 5
```

```
-----
Column: Weather_Conditions
-----
['Fine without high winds' 'Raining without high winds' 'Other'
 'Fine with high winds' 'Unknown' 'Raining with high winds'
 'Snowing without high winds' 'Fog or mist' 'Snowing with high winds']
Total Count of Unique Values: 9
```

```
-----
Column: Road_Surface_Conditions
-----
['Dry' 'Wet/Damp' 'Frost/Ice' 'Snow' 'Flood (Over 3cm of water)']
Total Count of Unique Values: 5
```

```
-----
Column: Special_Conditions_at_Site
-----
['None' 'Roadworks' 'Auto traffic singal out'
 'Permanent sign or marking defective or obscured'
 'Road surface defective' 'Auto traffic signal partly defective'
 'Oil or diesel' 'Mud']
Total Count of Unique Values: 8
```

```
-----
Column: Carriageway_Hazards
-----
['None' 'Pedestrian in carriageway (not injured)'
 'Dislodged vehicle load in carriageway' 'Other object in carriageway'
 'Involvement with previous accident' 'Any animal (except a ridden horse)']
Total Count of Unique Values: 6
```

```
-----
Column: Urban_or_Rural_Area
```

```
-----
[1]
Total Count of Unique Values: 1
```

Column: Did_Police_Officer_Attend_Scene_of_Accident

['Yes' 'No']

Total Count of Unique Values: 2

Column: LSOA_of_Accident_Location

['E01002821' 'E01004760' 'E01002905' ... 'W01000479' 'W01000502'
 'W01000478']

Total Count of Unique Values: 15877

Column: Year

[2012 2013 2014]

Total Count of Unique Values: 3

Column: month

<PeriodArray>

['2012-01', '2012-04', '2012-07', '2012-02', '2012-03', '2012-09', '2012-05',
 '2012-06', '2012-10', '2012-12', '2012-08', '2012-11', '2013-10', '2013-01',
 '2013-06', '2013-05', '2013-08', '2013-02', '2013-12', '2013-03', '2013-07',
 '2013-04', '2013-09', '2013-11', '2014-01', '2014-10', '2014-05', '2014-06',
 '2014-02', '2014-03', '2014-08', '2014-04', '2014-09', '2014-12', '2014-11',
 '2014-07']

Length: 36, dtype: period[M]

Total Count of Unique Values: 36

Column: Location

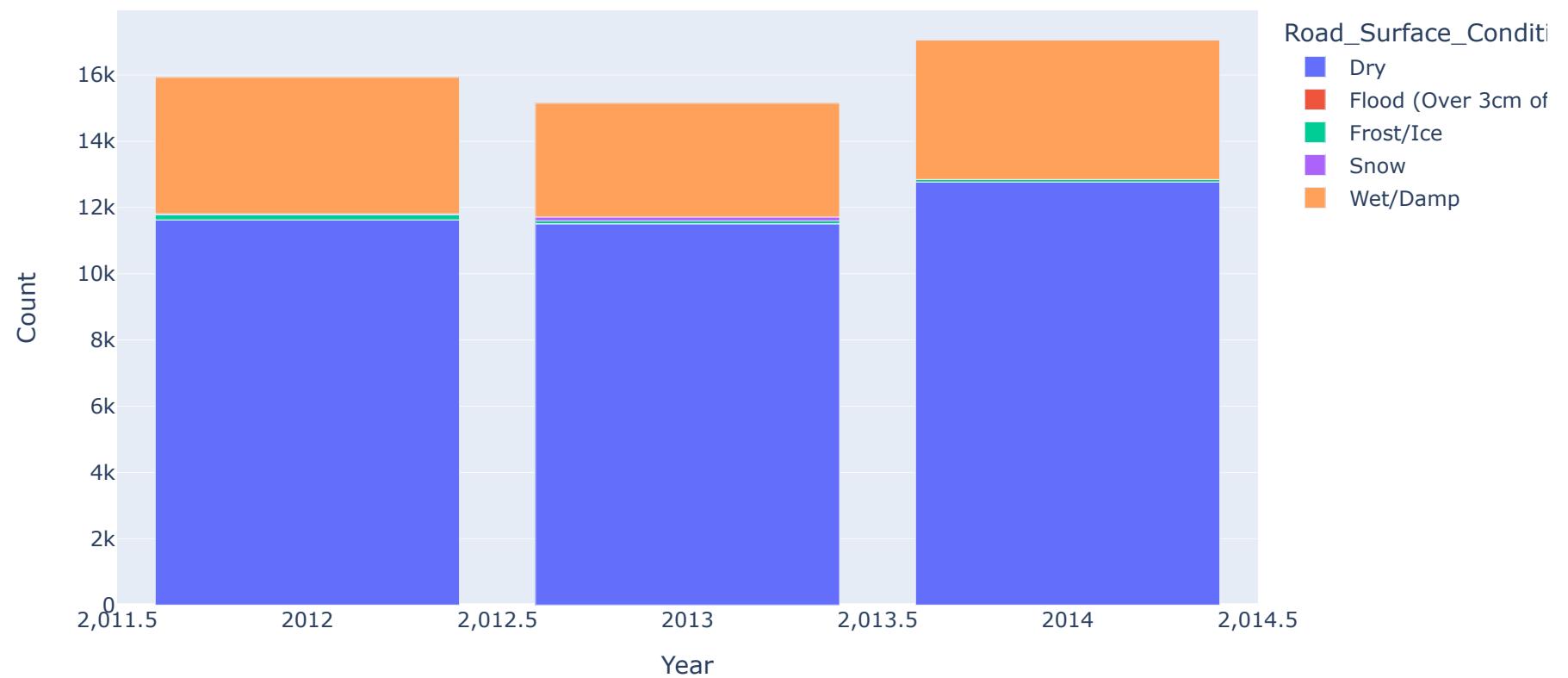
['51.493429, -0.169101' '51.517931, -0.200838' '51.523975, -0.213862' ...
 '52.510315, -3.318886' '51.7785, -3.759722' '52.507444, -3.334419']

Total Count of Unique Values: 44817

```
In [52]: groupingYearDF = pd.DataFrame(finalDF.groupby(['Year', 'Road_Surface_Conditions'])  
                                         ['Road_Surface_Conditions'].count())  
groupingYearDF.rename(columns={'Road_Surface_Conditions': 'Count'}, inplace=True)  
groupingYearDF.reset_index(inplace=True)  
  
print(groupingYearDF)  
  
fig = px.bar(groupingYearDF, x="Year", y="Count", color="Road_Surface_Conditions", title="Year v/s Road Surf  
fig.show()
```

	Year	Road_Surface_Conditions	Count
0	2012	Dry	11622
1	2012	Flood (Over 3cm of water)	3
2	2012	Frost/Ice	150
3	2012	Snow	36
4	2012	Wet/Damp	4115
5	2013	Dry	11506
6	2013	Flood (Over 3cm of water)	6
7	2013	Frost/Ice	86
8	2013	Snow	114
9	2013	Wet/Damp	3434
10	2014	Dry	12763
11	2014	Flood (Over 3cm of water)	7
12	2014	Frost/Ice	72
13	2014	Snow	4
14	2014	Wet/Damp	4205

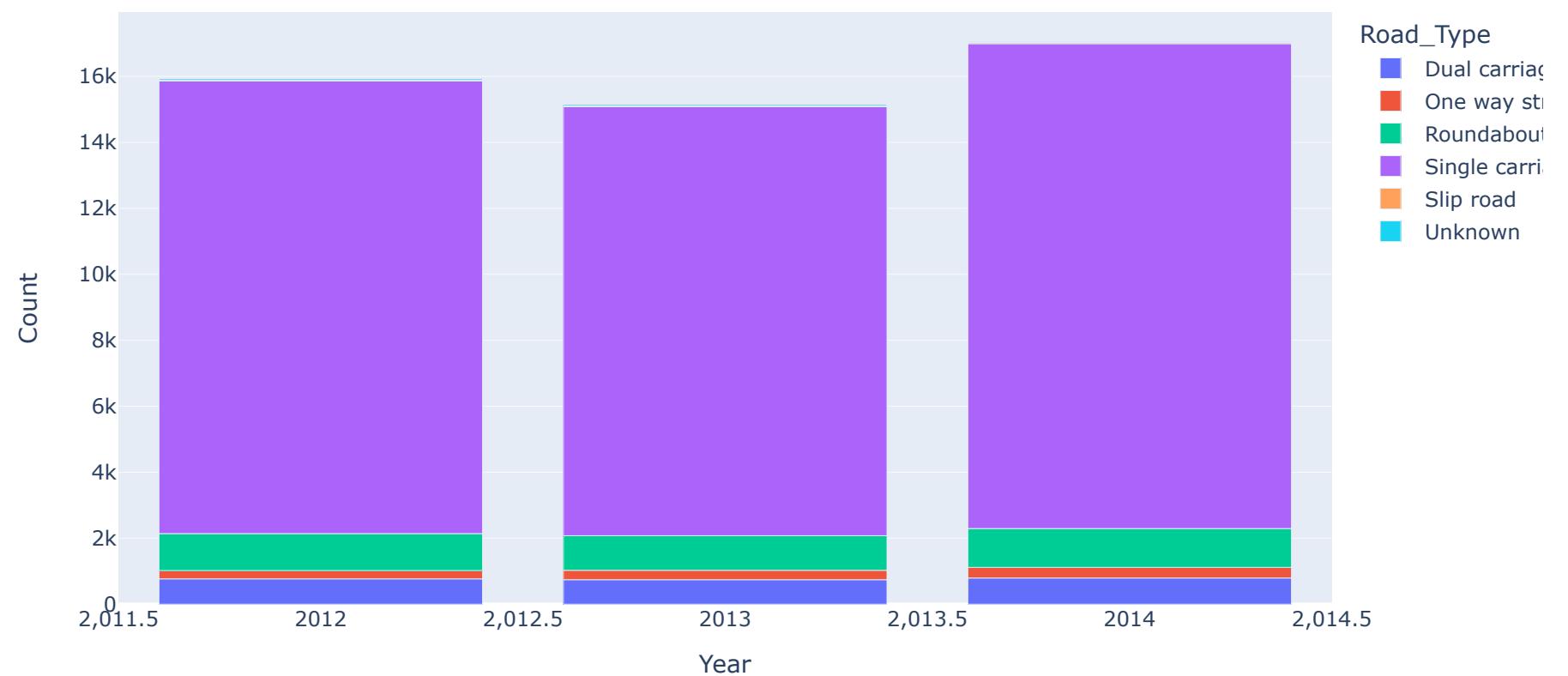
Year v/s Road Surface Conditions



```
In [53]: groupingYearDF = pd.DataFrame(finalDF.groupby(['Year', 'Road_Type'])  
                                     ['Road_Type'].count())  
groupingYearDF.rename(columns={'Road_Type': 'Count'}, inplace=True)  
groupingYearDF.reset_index(inplace=True)  
  
print(groupingYearDF)  
  
fig = px.bar(groupingYearDF, x="Year", y="Count", color="Road_Type", title="Year v/s Road Type")  
fig.show()
```

	Year	Road_Type	Count
0	2012	Dual carriageway	768
1	2012	One way street	252
2	2012	Roundabout	1120
3	2012	Single carriageway	13718
4	2012	Slip road	27
5	2012	Unknown	41
6	2013	Dual carriageway	742
7	2013	One way street	285
8	2013	Roundabout	1048
9	2013	Single carriageway	13005
10	2013	Slip road	25
11	2013	Unknown	41
12	2014	Dual carriageway	794
13	2014	One way street	322
14	2014	Roundabout	1177
15	2014	Single carriageway	14698
16	2014	Slip road	34
17	2014	Unknown	26

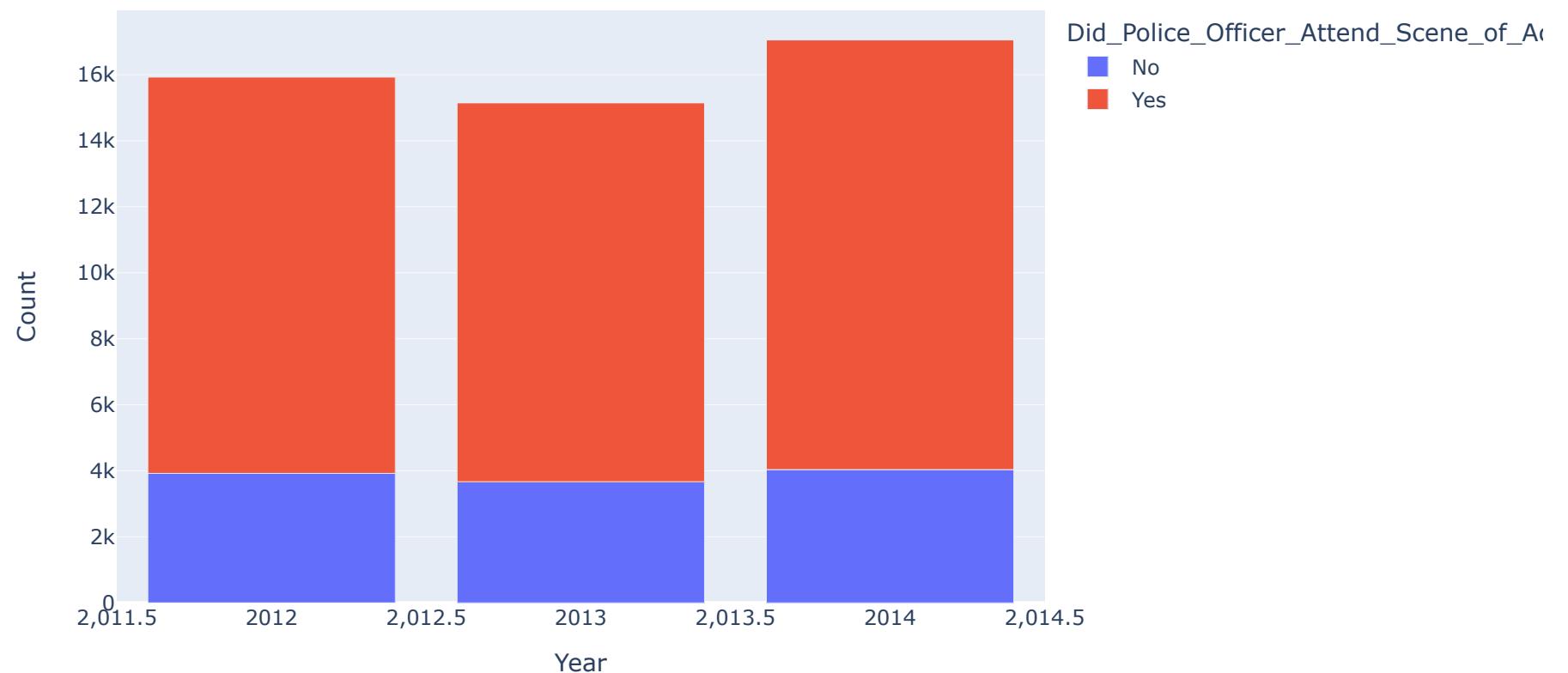
Year v/s Road Type



```
In [54]: groupingYearDF = pd.DataFrame(finalDF.groupby(['Year', 'Did_Police_Officer_Attend_Scene_of_Accident'])  
                                         ['Did_Police_Officer_Attend_Scene_of_Accident'].count())  
groupingYearDF.rename(columns={'Did_Police_Officer_Attend_Scene_of_Accident': 'Count'}, inplace=True)  
groupingYearDF.reset_index(inplace=True)  
  
print(groupingYearDF)  
  
fig = px.bar(groupingYearDF, x="Year", y="Count", color="Did_Police_Officer_Attend_Scene_of_Accident", title="")  
fig.show()
```

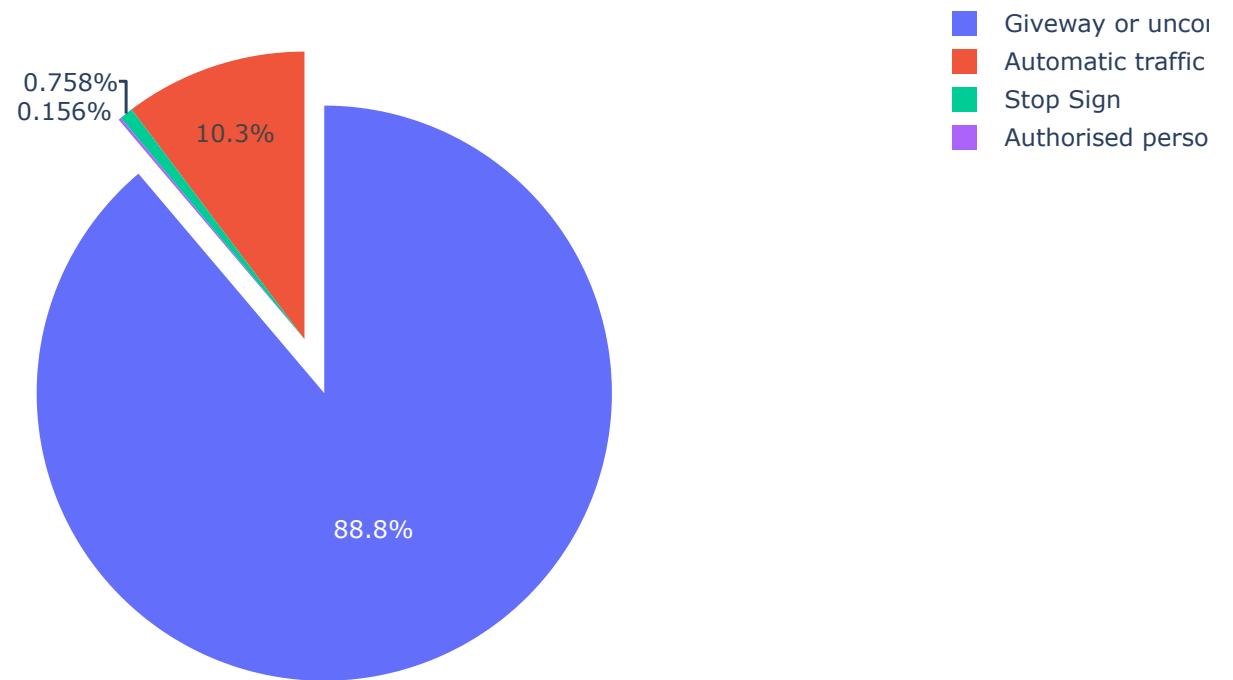
	Year	Did_Police_Officer_Attend_Scene_of_Accident	Count
0	2012	No	3922
1	2012	Yes	12004
2	2013	No	3670
3	2013	Yes	11476
4	2014	No	4036
5	2014	Yes	13015

Year v/s Did_Police_Officer_Attend_Scene_of_Accident



```
In [55]: groupingYearDF = pd.DataFrame(finalDF.groupby(['Junction_Control'])  
                                     ['Junction_Control'].count())  
groupingYearDF.rename(columns={'Junction_Control': 'Count'}, inplace=True)  
groupingYearDF.reset_index(inplace=True)  
  
print(groupingYearDF)  
  
fig = go.Figure(data=[go.Pie(labels=groupingYearDF['Junction_Control'], values=groupingYearDF['Count'], pull=  
fig.show()
```

	Junction_Control	Count
0	Authorised person	75
1	Automatic traffic signal	4941
2	Giveaway or uncontrolled	42742
3	Stop Sign	365

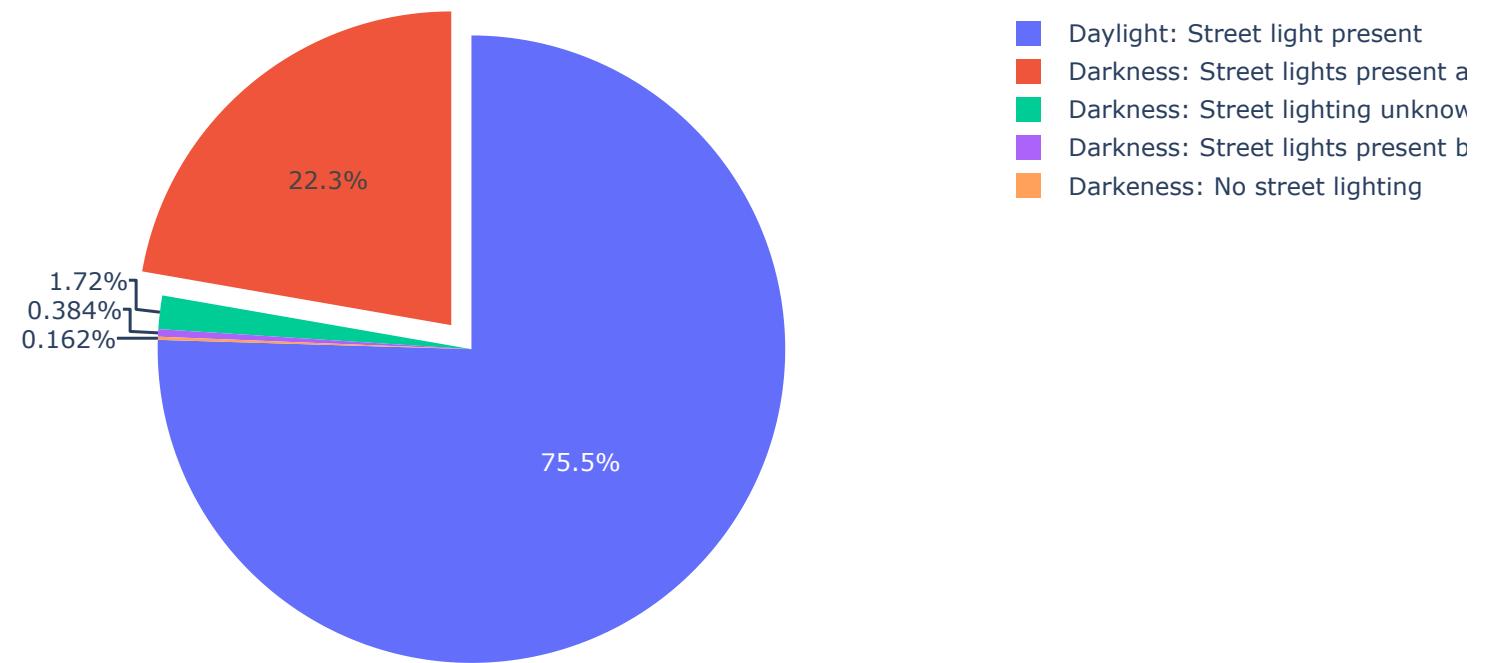


```
In [56]: groupingYearDF = pd.DataFrame(finalDF.groupby(['Light_Conditions'])
                                         ['Light_Conditions'].count())
groupingYearDF.rename(columns={'Light_Conditions': 'Count'}, inplace=True)
groupingYearDF.reset_index(inplace=True)

print(groupingYearDF)

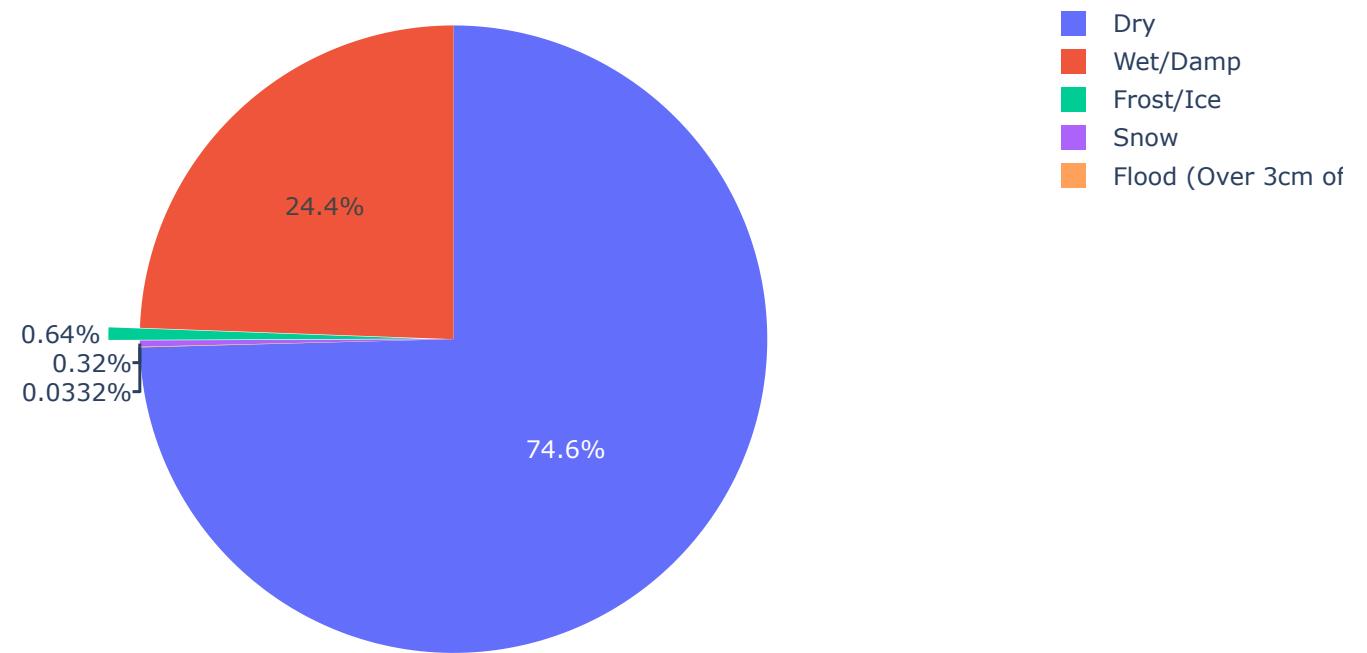
fig = go.Figure(data=[go.Pie(labels=groupingYearDF['Light_Conditions'], values=groupingYearDF['Count'], pull=
fig.show()
```

	Light_Conditions	Count
0	Darkness: No street lighting	78
1	Darkness: Street lighting unknown	829
2	Darkness: Street lights present and lit	10711
3	Darkness: Street lights present but unlit	185
4	Daylight: Street light present	36320

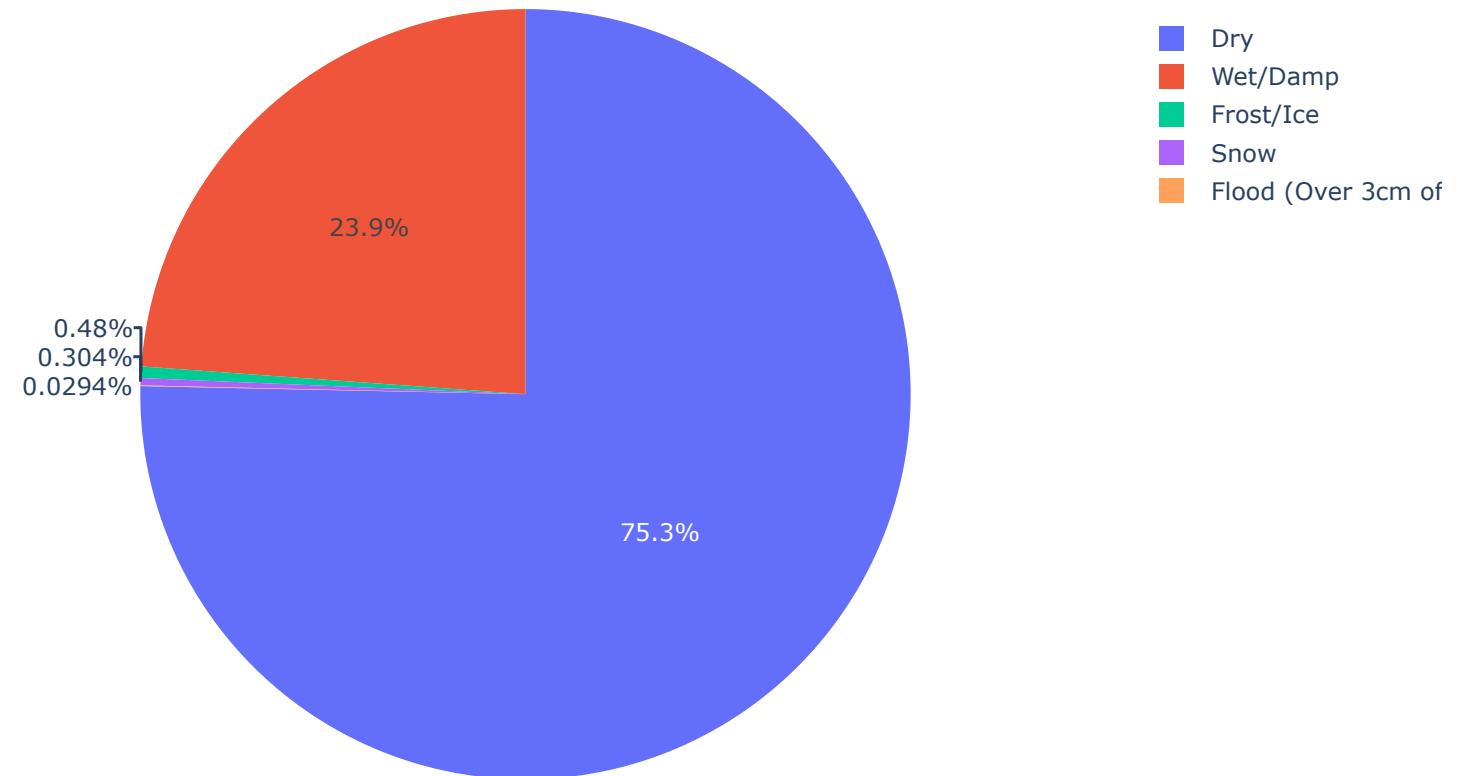


```
In [57]: groupingYearDF = pd.DataFrame(finalDF.groupby(['Road_Surface_Conditions'])  
                                     ['Road_Surface_Conditions'].count())  
groupingYearDF.rename(columns={'Road_Surface_Conditions': 'Count'}, inplace=True)  
groupingYearDF.reset_index(inplace=True)  
  
print(groupingYearDF)  
  
fig = go.Figure(data=[go.Pie(labels=groupingYearDF['Road_Surface_Conditions'], values=groupingYearDF['Count'])]  
fig.show()
```

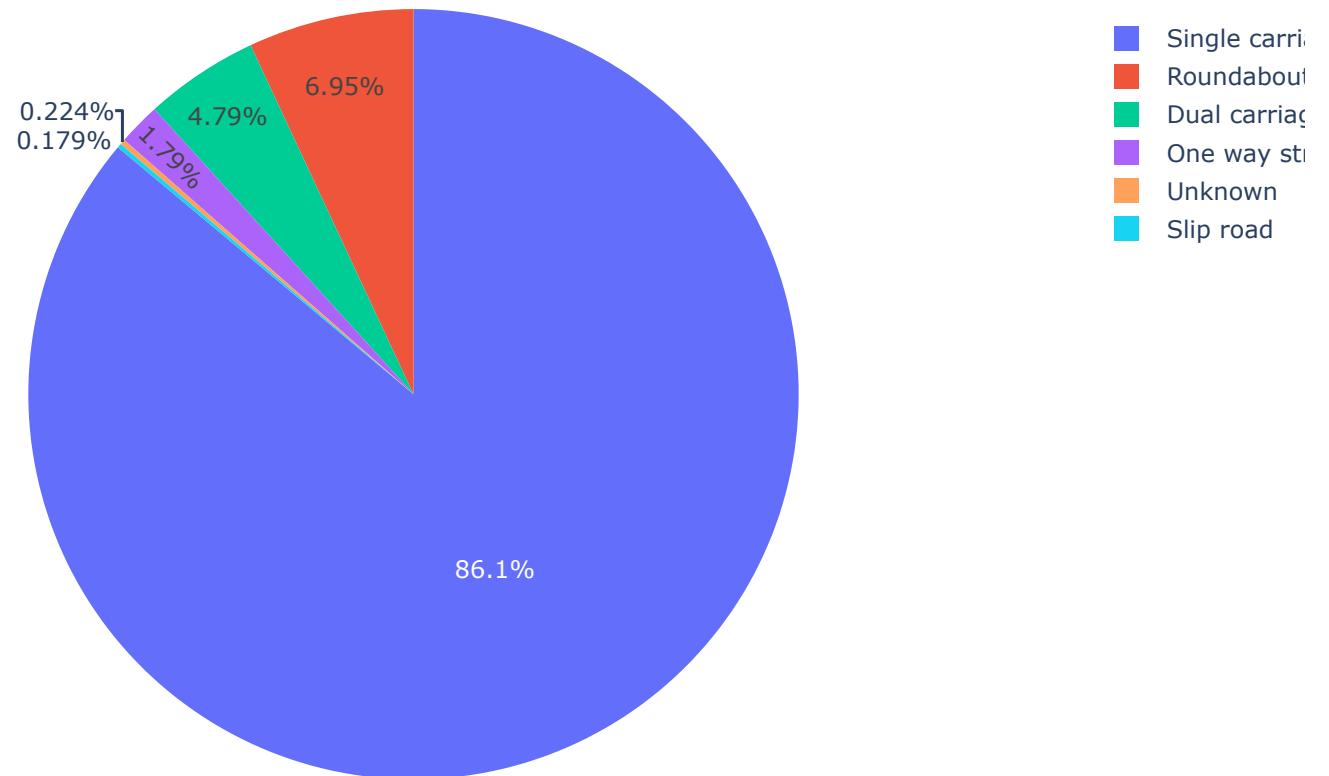
	Road_Surface_Conditions	Count
0	Dry	35891
1	Flood (Over 3cm of water)	16
2	Frost/Ice	308
3	Snow	154
4	Wet/Damp	11754



```
In [58]: fig = px.pie(finalDF, values='1st_Road_Number', names='Road_Surface_Conditions')
fig.show()
```



```
In [59]: fig = px.pie(finalDF, values='Number_of_Vehicles', names='Road_Type')
fig.show()
```



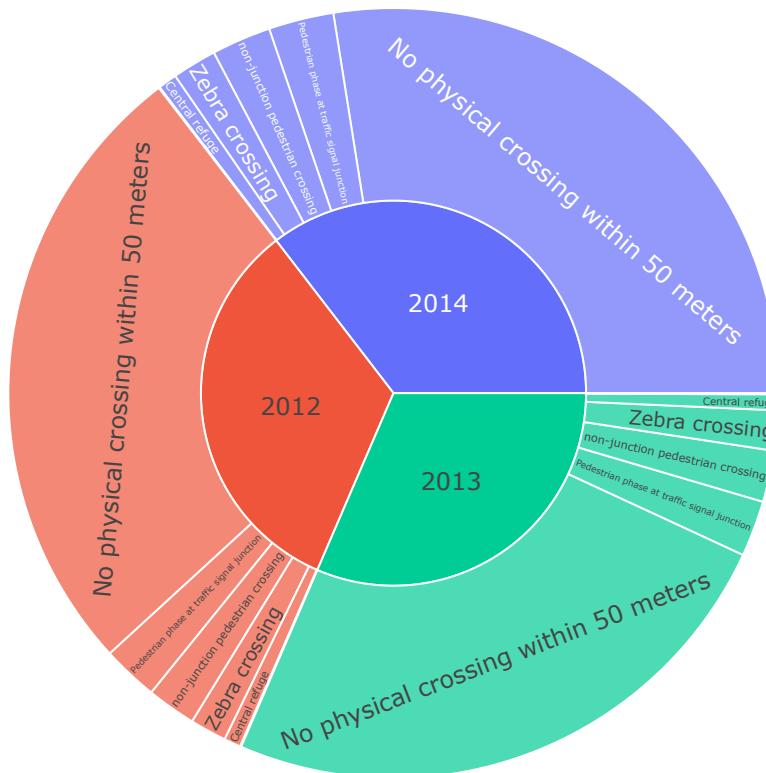
In [60]: `finalDF.head()`

Out[60]:

	Accident_Index	Location_Easting_OSGR	Location_Northing_OSGR	Longitude	Latitude	Police_Force	Accident_Severity	Number_of_Vehicles	N
0	201201BS70001	527200	178760	-0.169101	51.493429	1	3	2	
1	201201BS70002	524930	181430	-0.200838	51.517931	1	3	2	
7	201201BS70008	524010	182080	-0.213862	51.523975	1	3	2	
8	201201BS70010	527710	179290	-0.161567	51.498077	1	3	2	
9	201201BS70011	525120	180060	-0.198587	51.505576	1	3	2	

```
In [61]: groupingYearDF = pd.DataFrame(finalDF.groupby(['Year', 'Pedestrian_Crossing-Physical_Facilities'])  
                                         ['Pedestrian_Crossing-Physical_Facilities'].count())  
groupingYearDF.rename(columns={'Pedestrian_Crossing-Physical_Facilities': 'Count'}, inplace=True)  
groupingYearDF.reset_index(inplace=True)  
  
print(groupingYearDF)  
  
fig = px.sunburst(groupingYearDF, path=['Year', 'Pedestrian_Crossing-Physical_Facilities'], values='Count')  
fig.show()
```

	Year	Pedestrian_Crossing-Physical_Facilities	Count
0	2012	Central refuge	339
1	2012	Footbridge or subway	22
2	2012	No physical crossing within 50 meters	12697
3	2012	Pedestrian phase at traffic signal junction	1134
4	2012	Zebra crossing	738
5	2012	non-junction pedestrian crossing	996
6	2013	Central refuge	321
7	2013	Footbridge or subway	23
8	2013	No physical crossing within 50 meters	11826
9	2013	Pedestrian phase at traffic signal junction	1130
10	2013	Zebra crossing	808
11	2013	non-junction pedestrian crossing	1038
12	2014	Central refuge	382
13	2014	Footbridge or subway	21
14	2014	No physical crossing within 50 meters	13234
15	2014	Pedestrian phase at traffic signal junction	1315
16	2014	Zebra crossing	899
17	2014	non-junction pedestrian crossing	1200



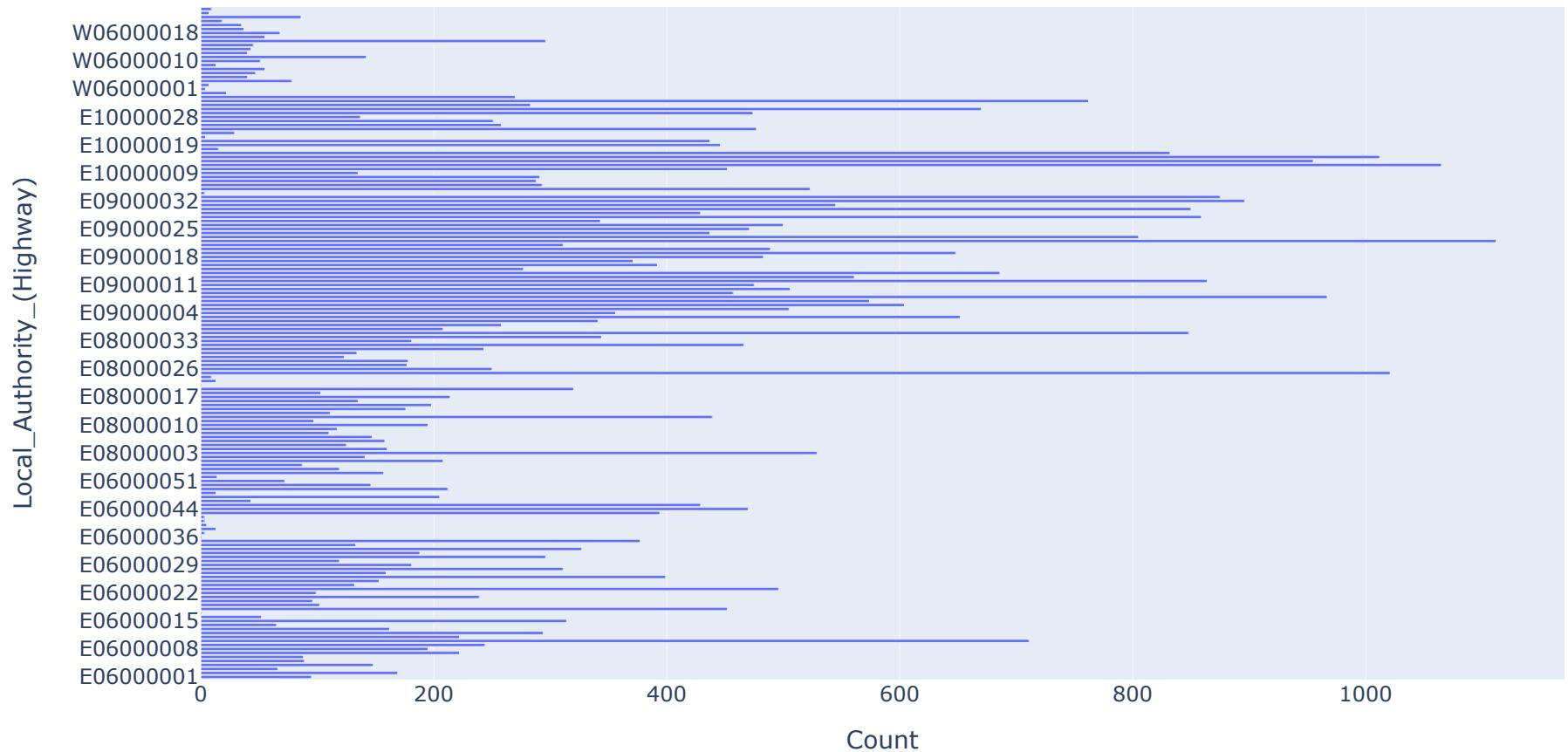
```
In [62]: groupingYearDF = pd.DataFrame(finalDF.groupby(['Local_Authority_(Highway]'))['Local_Authority_(Highway]'].count())
groupingYearDF.rename(columns={'Local_Authority_(Highway]': 'Count'}, inplace=True)
groupingYearDF.reset_index(inplace=True)

print(groupingYearDF)

fig = px.bar(groupingYearDF, x="Count", y="Local_Authority_(Highway]")
fig.show()
```

	Local_Authority_(Highway)	Count
0	E06000001	95
1	E06000002	169
2	E06000003	66
3	E06000004	148
4	E06000005	89
..
163	W06000020	35
164	W06000021	18
165	W06000022	86
166	W06000023	7
167	W06000024	9

[168 rows x 2 columns]



In [63]: finalDF

Out[63]:

	Accident_Index	Location_Easting_OSGR	Location_Northing_OSGR	Longitude	Latitude	Police_Force	Accident_Severity	Number_of_Vehicles	Day_Night	Day_Condition	Light_Condition	Road_Surface	Surface_Condition	Weather_Condition	Urban_Rural	Postcode	Postcode_Latitude	Postcode_Longitude	Postcode_Northing	Postcode_Easting	Postcode_OSGR	Postcode_Latitude_Deg	Postcode_Longitude_Deg	Postcode_Northing_Deg	Postcode_Easting_Deg	Postcode_OSGR_Deg	Postcode_Latitude_Deg_Deg	Postcode_Longitude_Deg_Deg	Postcode_Northing_Deg_Deg	Postcode_Easting_Deg_Deg	Postcode_OSGR_Deg_Deg
0	201201BS70001	527200		178760	-0.169101	51.493429	1	3																							
1	201201BS70002	524930		181430	-0.200838	51.517931	1	3																							
7	201201BS70008	524010		182080	-0.213862	51.523975	1	3																							
8	201201BS70010	527710		179290	-0.161567	51.498077	1	3																							
9	201201BS70011	525120		180060	-0.198587	51.505576	1	3																							
...		
455198	201463BC13614	259140		281860	-4.072653	52.416518	63	3																							
455529	201463DP01114	310510		291060	-3.320056	52.510033	63	3																							
455585	201463DP07014	310590		291090	-3.318886	52.510315	63	3																							
455696	201463DP18514	278700		210340	-3.759722	51.778500	63	3																							
455730	201463DP22014	309530		290790	-3.334419	52.507444	63	3																							

48123 rows × 34 columns

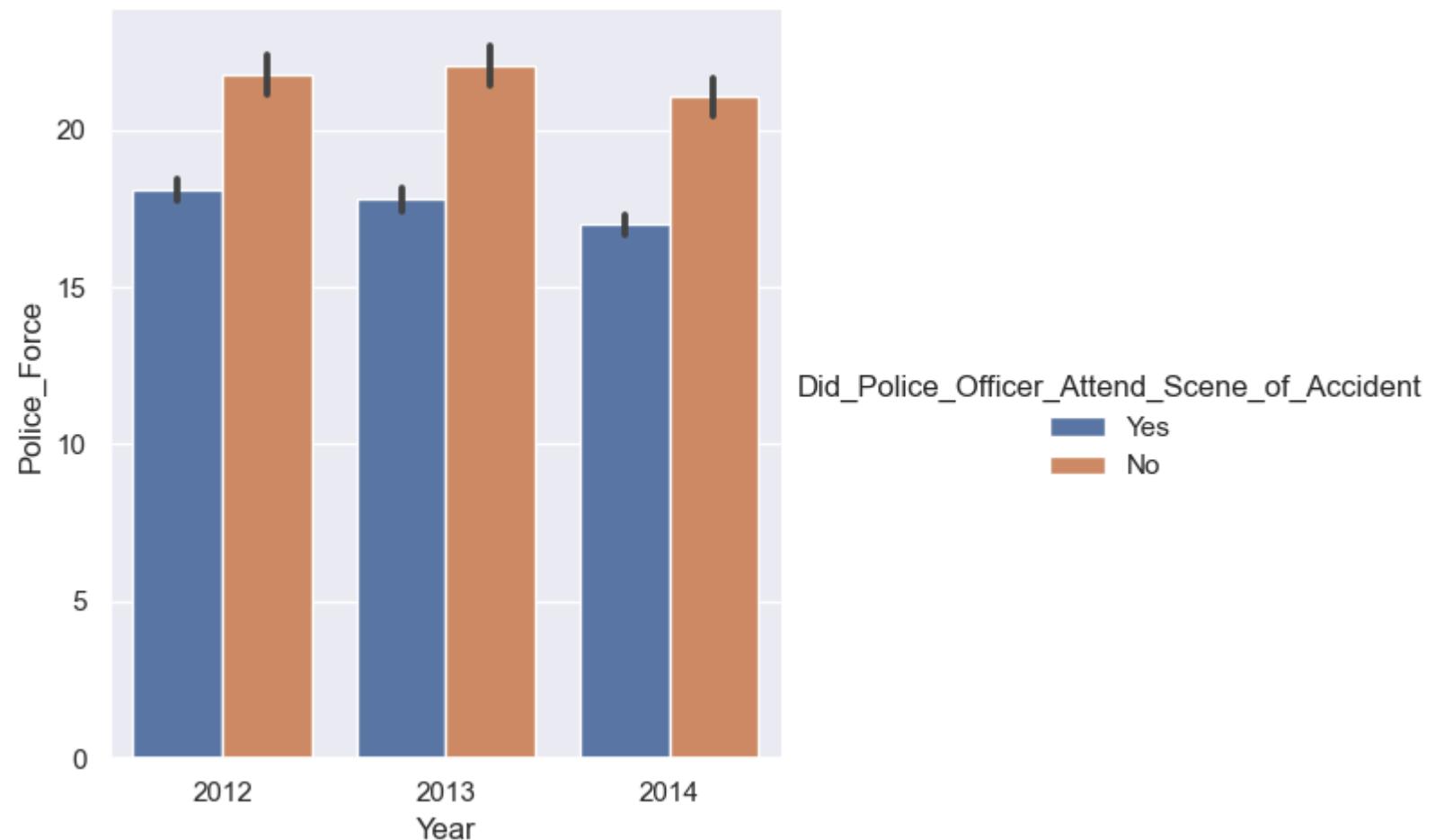
```
In [64]: groupingYearDF = pd.DataFrame(finalDF.groupby(['Year', 'Local_Authority_(Highway]'))['Local_Authority_(Highway]'].count())
groupingYearDF.rename(columns={'Local_Authority_(Highway]': 'Count'}, inplace=True)
groupingYearDF.reset_index(inplace=True)

print(groupingYearDF)
```

	Year	Local_Authority_(Highway]	Count
0	2012	E06000001	37
1	2012	E06000002	60
2	2012	E06000003	23
3	2012	E06000004	56
4	2012	E06000005	22
..
484	2014	W06000020	7
485	2014	W06000021	3
486	2014	W06000022	28
487	2014	W06000023	4
488	2014	W06000024	6

[489 rows x 3 columns]

```
In [65]: g = sns.catplot(  
    data=finalDF, kind="bar",  
    x="Year", y="Police_Force", hue="Did_Police_Officer_Attend_Scene_of_Accident"  
)
```



Forecasting using FB Prophet

```
In [66]: # !pip install prophet
```

```
In [67]: from prophet import Prophet  
from prophet.plot import plot_plotly, plot_components_plotly
```

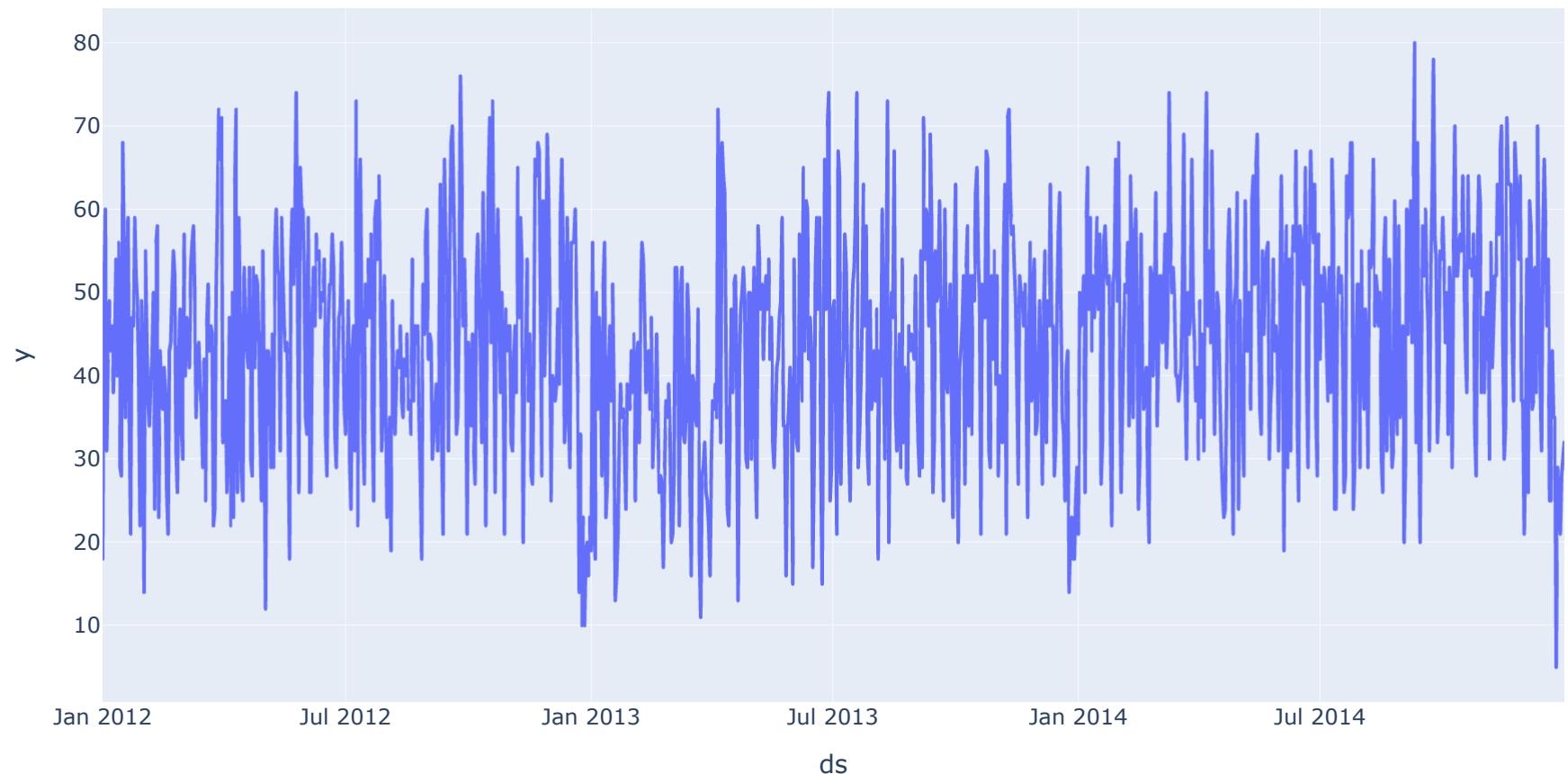
```
In [68]: dateIncidents = pd.DataFrame(finalDF['Date'].value_counts())  
dateIncidents.reset_index(inplace=True)  
dateIncidents.rename(columns={'Date': 'y', 'index': 'ds'}, inplace=True)  
dateIncidents.sort_values('ds', inplace=True)  
  
dateIncidents
```

Out[68]:

	ds	y
1071	2012-01-01	18
428	2012-01-02	49
121	2012-01-03	60
880	2012-01-04	31
629	2012-01-05	42
...
1030	2014-12-27	23
1055	2014-12-28	21
960	2014-12-29	28
914	2014-12-30	30
854	2014-12-31	32

1096 rows × 2 columns

```
In [69]: px.line(dateIncidents, x='ds', y='y')
```



```
In [70]: m = Prophet()  
m.fit(dateIncidents)
```

```
21:05:15 - cmdstanpy - INFO - Chain [1] start processing  
21:05:15 - cmdstanpy - INFO - Chain [1] done processing
```

```
Out[70]: <prophet.forecaster.Prophet at 0x2a793ce80>
```

```
In [71]: future = m.make_future_dataframe(periods=365)
```

```
In [72]: future
```

Out[72]:

	ds
0	2012-01-01
1	2012-01-02
2	2012-01-03
3	2012-01-04
4	2012-01-05
...	...
1456	2015-12-27
1457	2015-12-28
1458	2015-12-29
1459	2015-12-30
1460	2015-12-31

1461 rows × 1 columns

```
In [73]: forecast = m.predict(future)
forecast
```

Out[73]:

	ds	trend	yhat_lower	yhat_upper	trend_lower	trend_upper	additive_terms	additive_terms_lower	additive_terms_upper	weekly	w
0	2012-01-01	44.030640	9.060862	39.458729	44.030640	44.030640	-20.521200	-20.521200	-20.521200	-10.638729	
1	2012-01-02	44.025266	21.249852	51.543041	44.025266	44.025266	-7.624530	-7.624530	-7.624530	-7.624530	1.865618
2	2012-01-03	44.019892	23.577036	53.232411	44.019892	44.019892	-5.609431	-5.609431	-5.609431	-5.609431	3.409124
3	2012-01-04	44.014518	23.361949	52.937883	44.014518	44.014518	-6.064238	-6.064238	-6.064238	-6.064238	2.411238
4	2012-01-05	44.009144	25.774464	54.454795	44.009144	44.009144	-3.982163	-3.982163	-3.982163	-3.982163	3.887686
...
1456	2015-12-27	50.543532	15.066188	44.640041	49.949447	51.090898	-21.115583	-21.115583	-21.115583	-21.115583	-10.638729
1457	2015-12-28	50.552156	27.805263	55.612517	49.955522	51.101672	-8.684356	-8.684356	-8.684356	-8.684356	1.865618
1458	2015-12-29	50.560779	28.635822	57.684996	49.961571	51.112616	-7.116564	-7.116564	-7.116564	-7.116564	3.409124
1459	2015-12-30	50.569403	28.053012	57.468940	49.967568	51.123560	-7.993405	-7.993405	-7.993405	-7.993405	2.411238
1460	2015-12-31	50.578027	29.833028	59.018346	49.973565	51.134659	-6.301327	-6.301327	-6.301327	-6.301327	3.887686

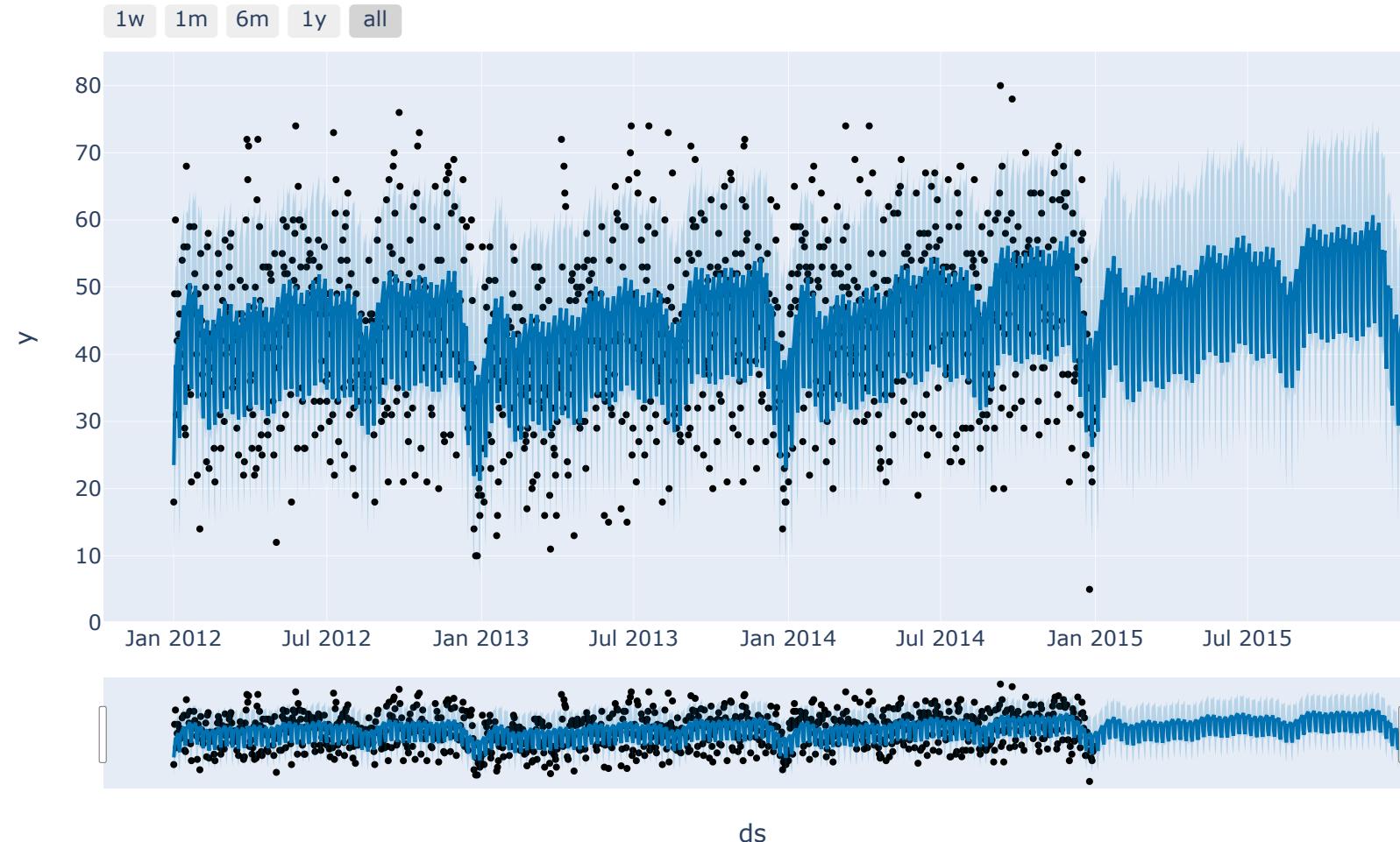
1461 rows × 19 columns

```
In [74]: forecast[['ds', 'yhat', 'yhat_lower', 'yhat_upper']].tail()
```

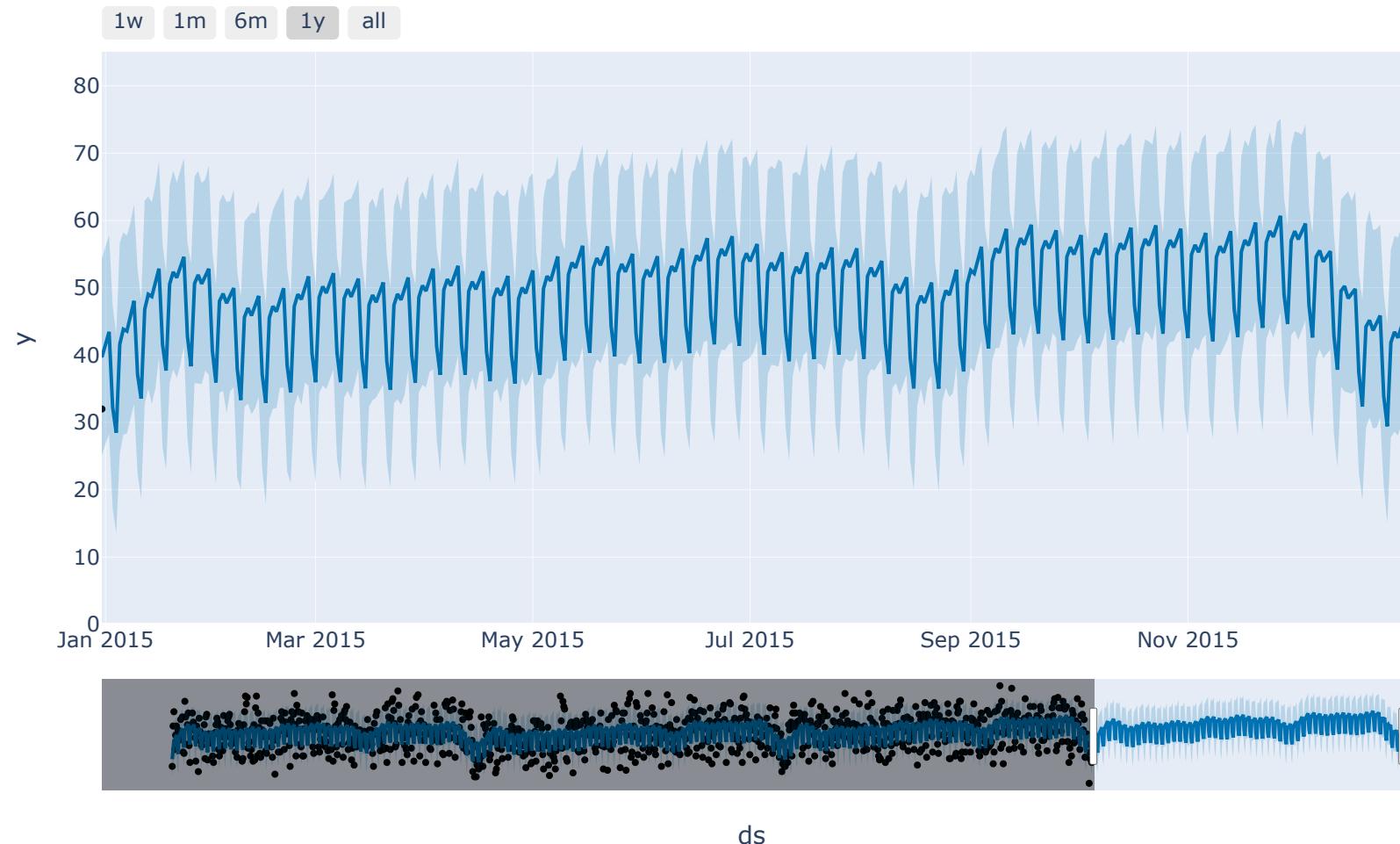
Out[74]:

	ds	yhat	yhat_lower	yhat_upper
1456	2015-12-27	29.427949	15.066188	44.640041
1457	2015-12-28	41.867800	27.805263	55.612517
1458	2015-12-29	43.444216	28.635822	57.684996
1459	2015-12-30	42.575998	28.053012	57.468940
1460	2015-12-31	44.276700	29.833028	59.018346

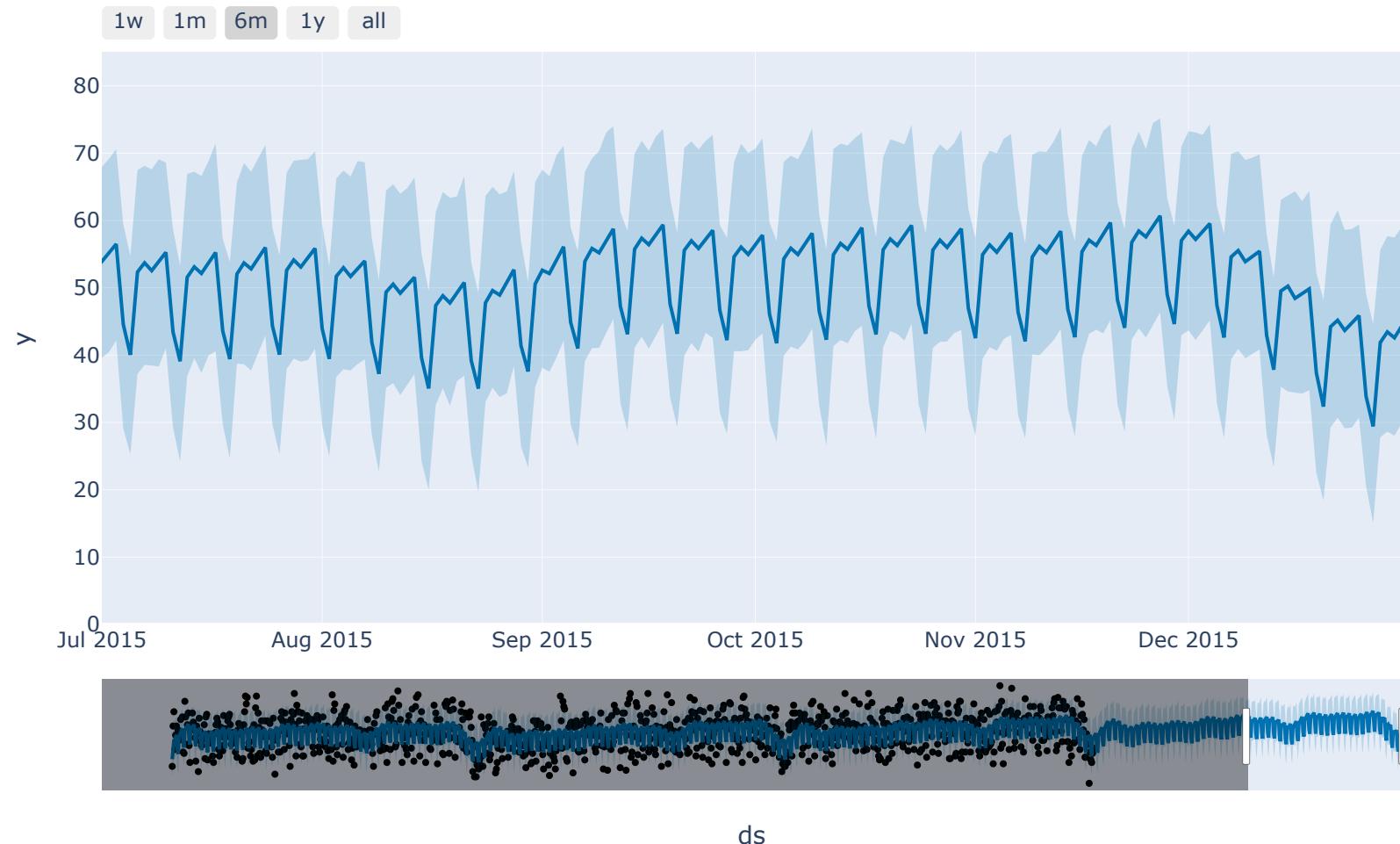
```
In [75]: # All Time Graph  
plot_plotly(m, forecast)
```



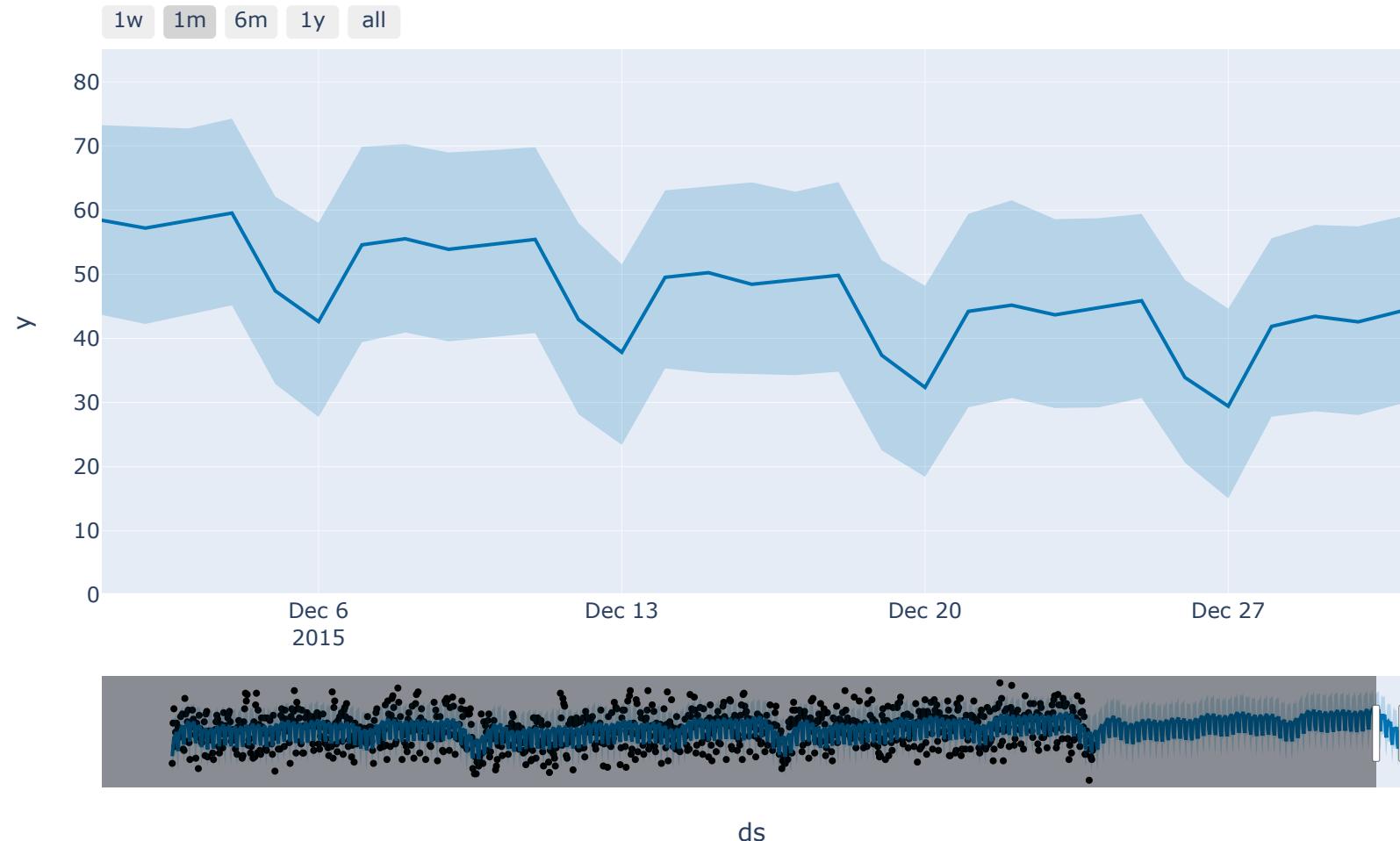
```
In [76]: # Predicted Year Graph  
plot_plotly(m, forecast)
```



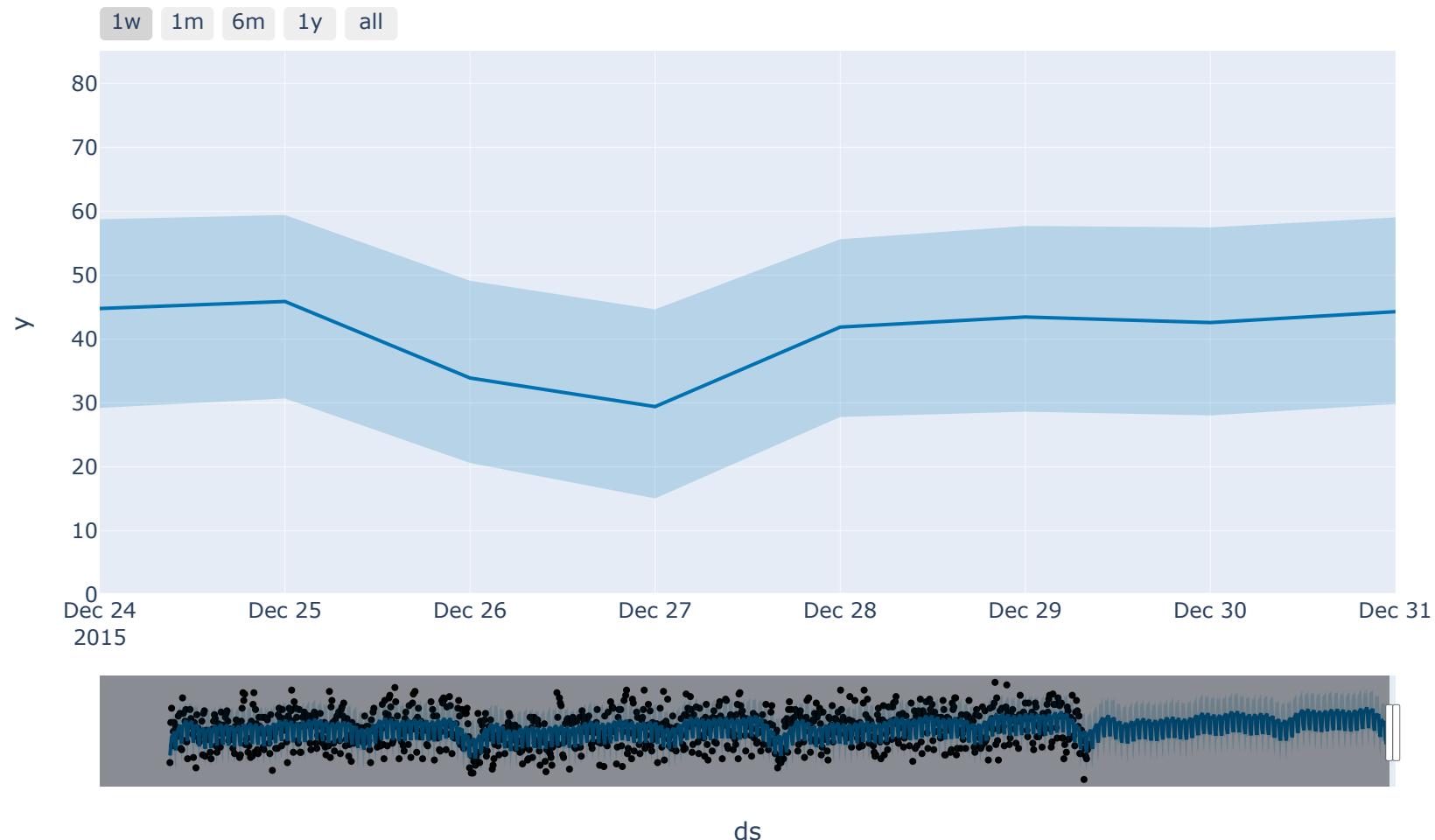
```
In [77]: # Predicted 6 months Graph  
plot_plotly(m, forecast)
```



```
In [78]: # Predicted 1 month Graph  
plot_plotly(m, forecast)
```



```
In [79]: # Predicted 1 week Graph  
plot_plotly(m, forecast)
```



```
In [80]: plot_components_plotly(m, forecast)
```



Auto Analysis in Python

- In Python there is a module named "Sweetviz" which helps to generate some descriptive analysis in Python based on your data as shown below.

```
In [81]: # !pip install sweetviz
```

```
In [82]: import sweetviz as sv
```

```
In [83]: my_report = sv.analyze(finalDF)
my_report
```

Done! Use 'show' commands to display/save.

[100%] 00:00 -> (00:00 left)

```
Out[83]: <sweetviz.dataframe_report.DataFrameReport at 0x107d0ef70>
```

```
In [84]: my_report.show_notebook()
```


Sweetviz

2.3.1

Get updates, docs & report issues here

Created & maintained by Francois Bertrand

Graphic design by Jean-Francois Hains

DataFrame

48123	ROWS
0	DUPPLICATES
59.5 MB	RAM
34	FEATURES
21	CATEGORICAL
7	NUMERICAL
6	TEXT

NO COMPARISON TAB

ASSOCIATIONS

DataFrame

1 Accident_Index

VALUES: **48,123 (100%)**

MISSING: ---

DISTINCT: **35,484 (74%)**

12,640	26%	2.01E+12
1	<1%	201201BS70001
1	<1%	201401FH10367
1	<1%	201401FH10359
1	<1%	201401FH10360
1	<1%	201401FH10363
1	<1%	201401FH10364
35,477	74%	(Other)

2 Location_Easting_OSGR

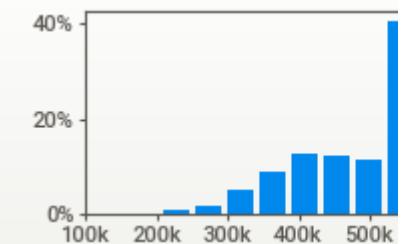
VALUES: **48,123 (100%)**

MISSING: ---

DISTINCT: **26,737 (56%)**

ZEROES: ---

	MAX	655k	RANGE	449k
95%	578k	IQR	120k	
Q3	533k	STD	81,742	
MEDIAN	517k	VAR	6.7B	
AVG	477k			
Q1	414k	KURT.	-0.312	
5%	331k	SKEW	-0.670	
MIN	206k	SUM	23.0B	



3 Location_Northing_OSGR

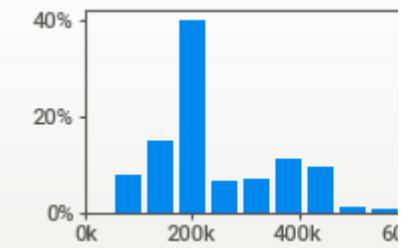
VALUES: **48,123 (100%)**

MISSING: ---

DISTINCT: **26,007 (54%)**

ZEROES: ---

	MAX	652k	RANGE	600k
95%	434k	IQR	167k	
Q3	340k	STD	112k	
AVG	243k	VAR	12.6B	
MEDIAN	186k			
Q1	173k	KURT.	-0.519	
5%	103k	SKEW	0.787	
MIN	52k	SUM	11.7B	



4 Longitude

VALUES: **48,123 (100%)**

MISSING: ---

DISTINCT: **1,76**

ZEROES: ---

MAX: **1.76**

MIN: **-6.50**

STDEV: **6.50**

VAR: **6.50**

