

Overview

Dataset statistics

| | |
|-------------------------------|----------|
| Number of variables | 18 |
| Number of observations | 166795 |
| Missing cells | 0 |
| Missing cells (%) | 0.0% |
| Duplicate rows | 0 |
| Duplicate rows (%) | 0.0% |
| Total size in memory | 22.9 MiB |
| Average record size in memory | 144.0 B |

Variable types

| | |
|-------------|----|
| Numeric | 16 |
| Categorical | 2 |

Alerts

| | |
|--|------------------|
| city is highly overall correlated with County | High correlation |
| Clean Alternative Fuel Vehicle Eligibility is highly overall correlated with Electric Range and 1 other fields (Electric Range, Electric Vehicle Type) | High correlation |
| County is highly overall correlated with city and 1 other fields (City, Postal Code) | High correlation |
| Electric Range is highly overall correlated with Clean Alternative Fuel Vehicle Eligibility and 2 other fields (Clean Alternative Fuel Vehicle Eligibility, Electric Vehicle Type, Model Year) | High correlation |
| Electric Vehicle Type is highly overall correlated with Clean Alternative Fuel Vehicle Eligibility and 1 other fields (Clean Alternative Fuel Vehicle Eligibility, Electric Range) | High correlation |
| Model is highly overall correlated with VIN (1-10) | High correlation |
| Model Year is highly overall correlated with Electric Range | High correlation |
| Postal Code is highly overall correlated with County | High correlation |
| VIN (1-10) is highly overall correlated with Model | High correlation |
| State is highly skewed ($y_1 = -27.56089108$) | Skewed |
| Postal Code is highly skewed ($y_1 = -30.09608692$) | Skewed |
| 2020 Census Tract is highly skewed ($y_1 = -26.96677648$) | Skewed |
| DOL Vehicle ID has unique values | Unique |
| Electric Range has 83517 (50.1%) zeros | Zeros |
| Base MSRP has 163433 (98.0%) zeros | Zeros |

Reproduction

| | |
|------------------------|--|
| Analysis started | 2024-03-11 03:39:52.080121 |
| Analysis finished | 2024-03-11 03:41:24.155860 |
| Duration | 1 minute and 32.08 seconds |
| Software version | ydata-profiling vv4.6.5 (https://github.com/ydataai/ydata-profiling) |
| Download configuration | config.json (data:text/plain;charset=utf-8,%7B%22title%22%3A%20%22Pandas%20Profiling%20Report%22%2C%20%22version%22%3A%20%224.6.5%22%2C%20%22software%22%3A%20%22ydata-profiling%22%2C%20%22url%22%3A%20%22https%3A%2F%2Fgithub.com%2Fydataai%2Fydata-profiling%22%7D) |

Variables

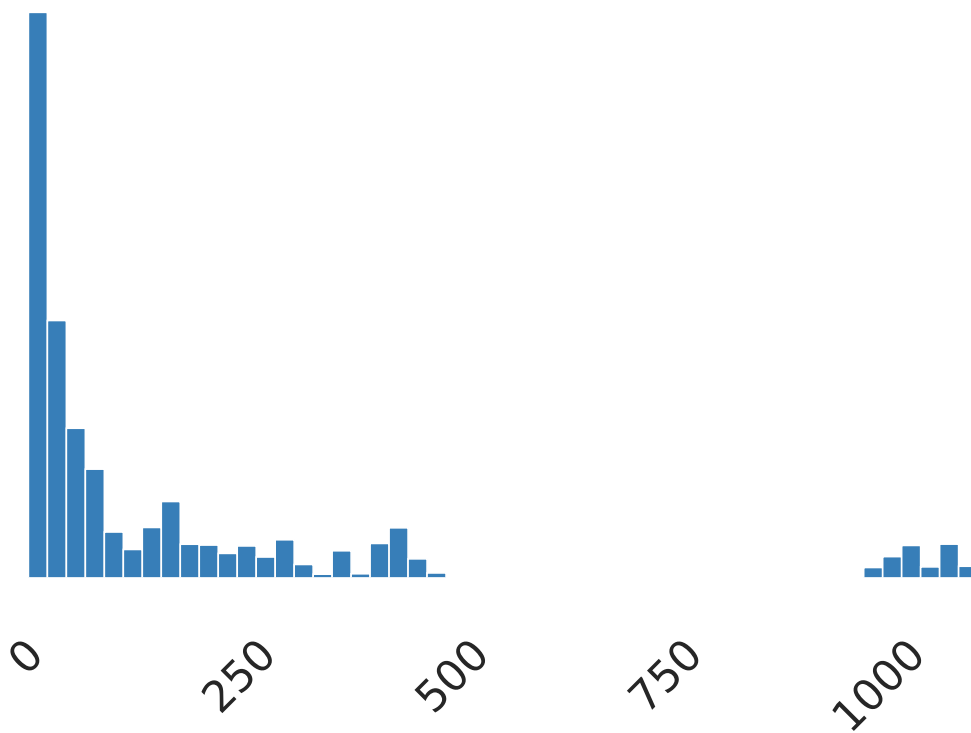
Select Columns

VIN (1-10)

Real number ()

HIGH CORRELATION (This variable has a high overall correlation with 1 fields:
Model)

| | |
|--------------|-----------|
| Distinct | 259 |
| Distinct (%) | 0.2% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Infinite | 0 |
| Infinite (%) | 0.0% |
| Mean | 169.79518 |
| Minimum | 1 |
| Maximum | 1114 |
| Zeros | 0 |
| Zeros (%) | 0.0% |
| Negative | 0 |
| Negative (%) | 0.0% |
| Memory size | 1.3 MiB |



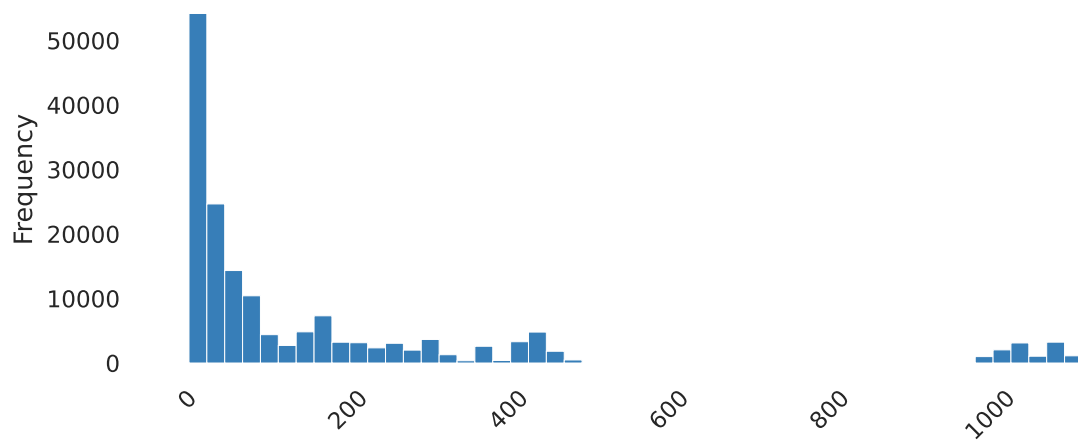
Quantile statistics

| | |
|---------------------------|------|
| Minimum | 1 |
| 5-th percentile | 4 |
| Q1 | 17 |
| median | 52 |
| Q3 | 196 |
| 95-th percentile | 1029 |
| Maximum | 1114 |
| Range | 1113 |
| Interquartile range (IQR) | 179 |

Descriptive statistics

| | |
|-------------------------------|-----------|
| Standard deviation | 269.25387 |
| Coefficient of variation (CV) | 1.5857568 |
| Kurtosis | 5.0768332 |

| | |
|--|---------------|
| Mean | 169.79518 |
| Median Absolute Deviation (MAD) | 43 |
| Skewness | 2.4018884 |
| Sum | 28320987 |
| Variance | 72497.646 |
| Monotonicity | Not monotonic |



Histogram with fixed size bins (bins=50)

| Value | Count | Frequency (%) |
|--------------------|--------|---------------|
| 6 | 2904 | 1.7% |
| 4 | 2748 | 1.6% |
| 3 | 2730 | 1.6% |
| 5 | 2690 | 1.6% |
| 2 | 2620 | 1.6% |
| 11 | 2519 | 1.5% |
| 10 | 2500 | 1.5% |
| 7 | 2499 | 1.5% |
| 8 | 2496 | 1.5% |
| 12 | 2484 | 1.5% |
| Other values (249) | 140605 | 84.3% |

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 1 | 1968 | 1.2% |
| 2 | 2620 | 1.6% |
| 3 | 2730 | 1.6% |
| 4 | 2748 | 1.6% |
| 5 | 2690 | 1.6% |
| 6 | 2904 | 1.7% |
| 7 | 2499 | 1.5% |
| 8 | 2496 | 1.5% |
| 9 | 2439 | 1.5% |
| 10 | 2500 | 1.5% |

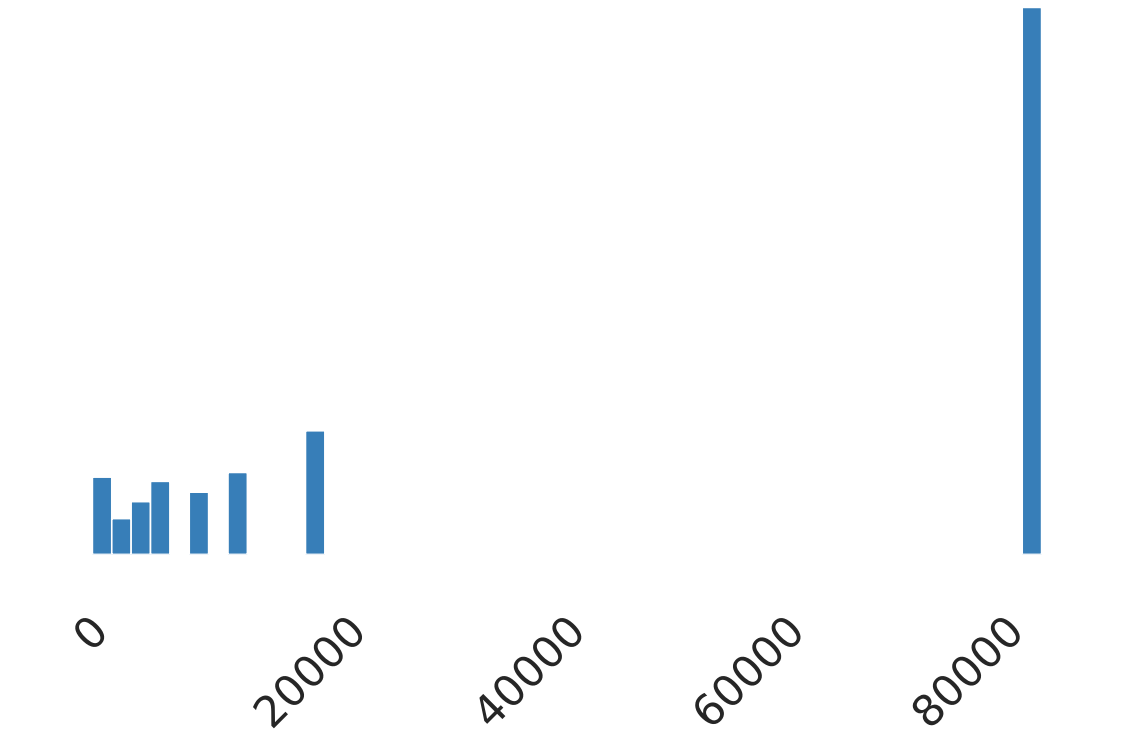
| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 1114 | 1114 | 0.7% |
| 1090 | 1090 | 0.7% |
| 1071 | 2142 | 1.3% |
| 1052 | 1052 | 0.6% |
| 1041 | 1041 | 0.6% |
| 1037 | 1037 | 0.6% |
| 1029 | 1029 | 0.6% |
| 1022 | 1022 | 0.6% |
| 1014 | 1014 | 0.6% |
| 993 | 993 | 0.6% |

County

Real number ()

HIGH CORRELATION (This variable has a high overall correlation with 2 fields:
City, Postal Code)

| | |
|--------------|-----------|
| Distinct | 49 |
| Distinct (%) | < 0.1% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Infinite | 0 |
| Infinite (%) | 0.0% |
| Mean | 49568.435 |
| Minimum | 1 |
| Maximum | 86594 |
| Zeros | 0 |
| Zeros (%) | 0.0% |
| Negative | 0 |
| Negative (%) | 0.0% |
| Memory size | 1.3 MiB |



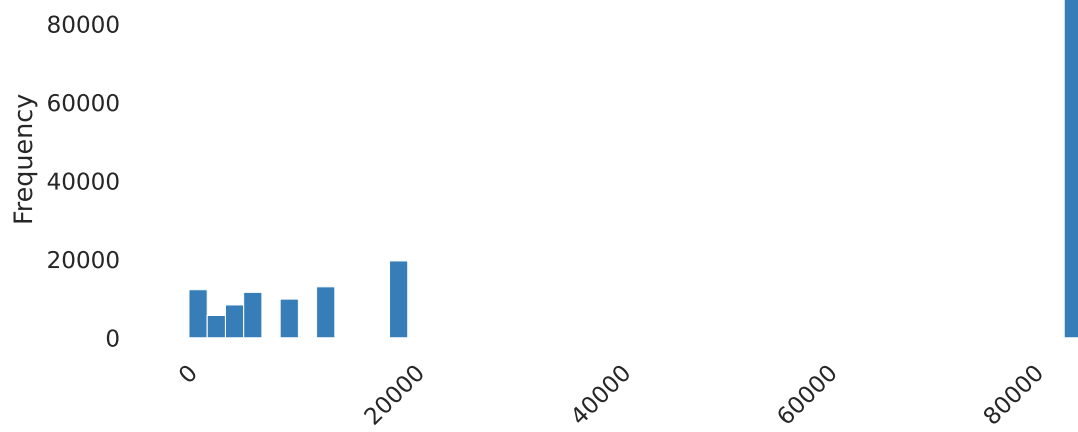
Quantile statistics

| | |
|---------------------------|-------|
| Minimum | 1 |
| 5-th percentile | 943 |
| Q1 | 9847 |
| median | 86594 |
| Q3 | 86594 |
| 95-th percentile | 86594 |
| Maximum | 86594 |
| Range | 86593 |
| Interquartile range (IQR) | 76747 |

Descriptive statistics

| | |
|-------------------------------|------------|
| Standard deviation | 38769.326 |
| Coefficient of variation (CV) | 0.78213738 |
| Kurtosis | -1.9294575 |

| | |
|--|-------------------------|
| Mean | 49568.435 |
| Median Absolute Deviation (MAD) | 0 |
| Skewness | -0.12137205 |
| Sum | 8.2677672×10^9 |
| Variance | 1.5030607×10^9 |
| Monotonicity | Not monotonic |



Histogram with fixed size bins (bins=49)

| Value | Count | Frequency (%) |
|-------------------|-------|---------------|
| 86594 | 86594 | 51.9% |
| 19570 | 19570 | 11.7% |
| 12972 | 12972 | 7.8% |
| 9847 | 9847 | 5.9% |
| 6042 | 6042 | 3.6% |
| 5522 | 5522 | 3.3% |
| 4312 | 4312 | 2.6% |
| 4039 | 4039 | 2.4% |
| 2028 | 2028 | 1.2% |
| 1842 | 1842 | 1.1% |
| Other values (39) | 14027 | 8.4% |

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 1 | 86 | 0.1% |
| 2 | 54 | < 0.1% |
| 3 | 27 | < 0.1% |
| 4 | 40 | < 0.1% |
| 5 | 20 | < 0.1% |
| 6 | 24 | < 0.1% |
| 7 | 14 | < 0.1% |
| 8 | 16 | < 0.1% |
| 9 | 18 | < 0.1% |
| 10 | 10 | < 0.1% |

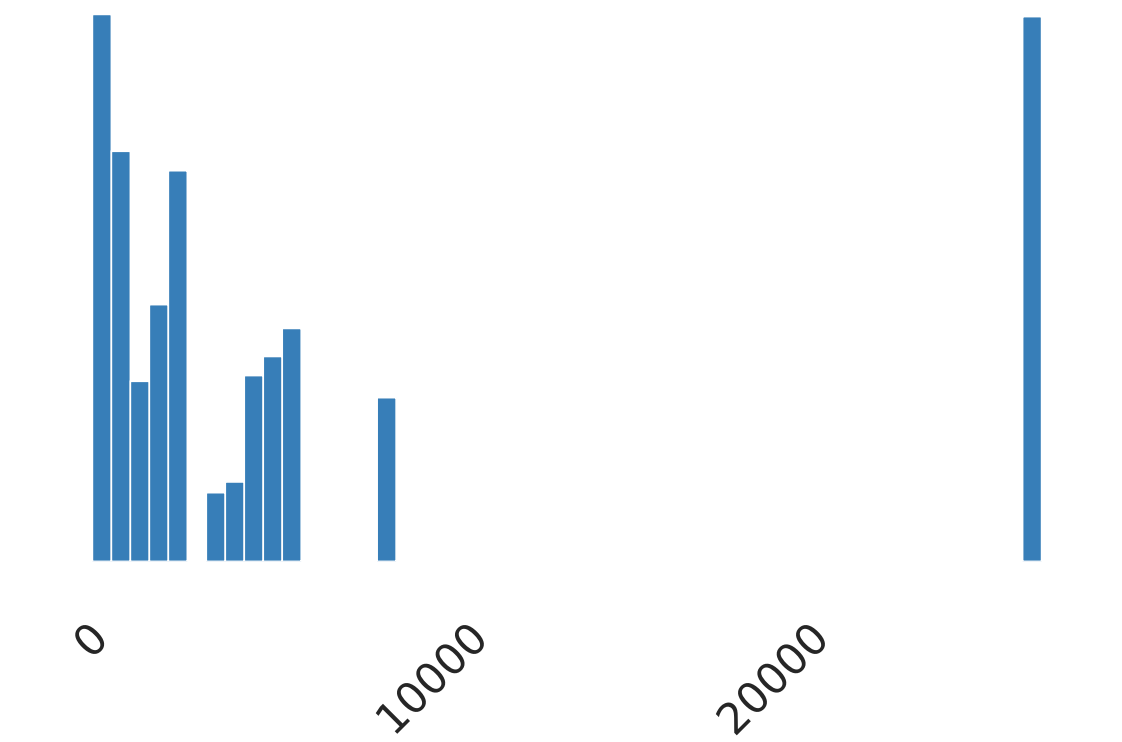
| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 86594 | 86594 | 51.9% |
| 19570 | 19570 | 11.7% |
| 12972 | 12972 | 7.8% |
| 9847 | 9847 | 5.9% |
| 6042 | 6042 | 3.6% |
| 5522 | 5522 | 3.3% |
| 4312 | 4312 | 2.6% |
| 4039 | 4039 | 2.4% |
| 2028 | 2028 | 1.2% |
| 1842 | 1842 | 1.1% |

City

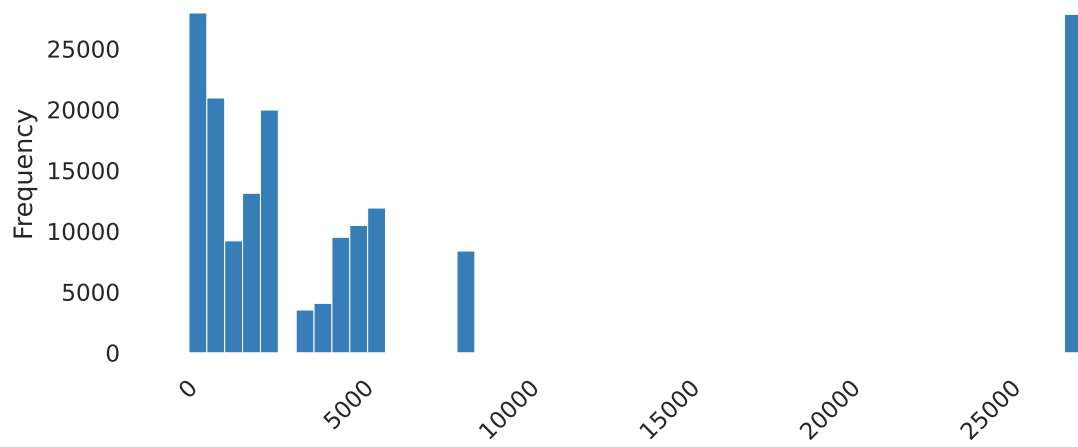
Real number ()

HIGH CORRELATION (This variable has a high overall correlation with 1 fields:
County)

| | |
|--------------|----------|
| Distinct | 208 |
| Distinct (%) | 0.1% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Infinite | 0 |
| Infinite (%) | 0.0% |
| Mean | 6920.752 |
| Minimum | 1 |
| Maximum | 27831 |
| Zeros | 0 |
| Zeros (%) | 0.0% |
| Negative | 0 |
| Negative (%) | 0.0% |
| Memory size | 1.3 MiB |



| | |
|---------------------------------|-------------------------|
| Mean | 6920.752 |
| Median Absolute Deviation (MAD) | 2239 |
| Skewness | 1.5953469 |
| Sum | 1.1543468×10^9 |
| Variance | 92282443 |
| Monotonicity | Not monotonic |



Histogram with fixed size bins (bins=50)

| Value | Count | Frequency (%) |
|--------------------|-------|---------------|
| 27831 | 27831 | 16.7% |
| 8364 | 8364 | 5.0% |
| 6032 | 6032 | 3.6% |
| 5869 | 5869 | 3.5% |
| 5440 | 5440 | 3.3% |
| 5028 | 5028 | 3.0% |
| 4876 | 4876 | 2.9% |
| 4617 | 4617 | 2.8% |
| 4058 | 4058 | 2.4% |
| 3510 | 3510 | 2.1% |
| Other values (198) | 91170 | 54.7% |

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 1 | 227 | 0.1% |
| 2 | 150 | 0.1% |
| 3 | 90 | 0.1% |
| 4 | 88 | 0.1% |
| 5 | 80 | < 0.1% |
| 6 | 60 | < 0.1% |
| 7 | 105 | 0.1% |
| 8 | 80 | < 0.1% |
| 9 | 54 | < 0.1% |
| 10 | 60 | < 0.1% |

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 27831 | 27831 | 16.7% |
| 8364 | 8364 | 5.0% |
| 6032 | 6032 | 3.6% |
| 5869 | 5869 | 3.5% |
| 5440 | 5440 | 3.3% |
| 5028 | 5028 | 3.0% |
| 4876 | 4876 | 2.9% |
| 4617 | 4617 | 2.8% |
| 4058 | 4058 | 2.4% |
| 3510 | 3510 | 2.1% |

State

Real number ()

SKEWED

| | |
|--------------|-----------|
| Distinct | 41 |
| Distinct (%) | < 0.1% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Infinite | 0 |
| Infinite (%) | 0.0% |
| Mean | 38.954735 |
| Minimum | 0 |
| Maximum | 40 |
| Zeros | 5 |
| Zeros (%) | < 0.1% |
| Negative | 0 |
| Negative (%) | 0.0% |
| Memory size | 1.3 MiB |



Quantile statistics

| | |
|---------------------------|----|
| Minimum | 0 |
| 5-th percentile | 39 |
| Q1 | 39 |
| median | 39 |
| Q3 | 39 |
| 95-th percentile | 39 |
| Maximum | 40 |
| Range | 40 |
| Interquartile range (IQR) | 0 |

Descriptive statistics

| | |
|-------------------------------|-------------|
| Standard deviation | 1.151665 |
| Coefficient of variation (CV) | 0.029564184 |
| Kurtosis | 786.2203 |

| | |
|--|---------------|
| Mean | 38.954735 |
| Median Absolute Deviation (MAD) | 0 |
| Skewness | -27.560891 |
| Sum | 6497455 |
| Variance | 1.3263322 |
| Monotonicity | Not monotonic |



Histogram with fixed size bins (bins=41)

| Value | Count | Frequency (%) |
|-------------------|--------|---------------|
| 39 | 166440 | 99.8% |
| 4 | 91 | 0.1% |
| 38 | 38 | < 0.1% |
| 19 | 32 | < 0.1% |
| 36 | 24 | < 0.1% |
| 29 | 14 | < 0.1% |
| 13 | 13 | < 0.1% |
| 5 | 12 | < 0.1% |
| 9 | 10 | < 0.1% |
| 11 | 9 | < 0.1% |
| Other values (31) | 112 | 0.1% |

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 0 | 5 | < 0.1% |
| 1 | 1 | < 0.1% |
| 2 | 7 | < 0.1% |
| 3 | 2 | < 0.1% |
| 4 | 91 | 0.1% |
| 5 | 12 | < 0.1% |
| 6 | 7 | < 0.1% |
| 7 | 4 | < 0.1% |
| 8 | 1 | < 0.1% |
| 9 | 10 | < 0.1% |

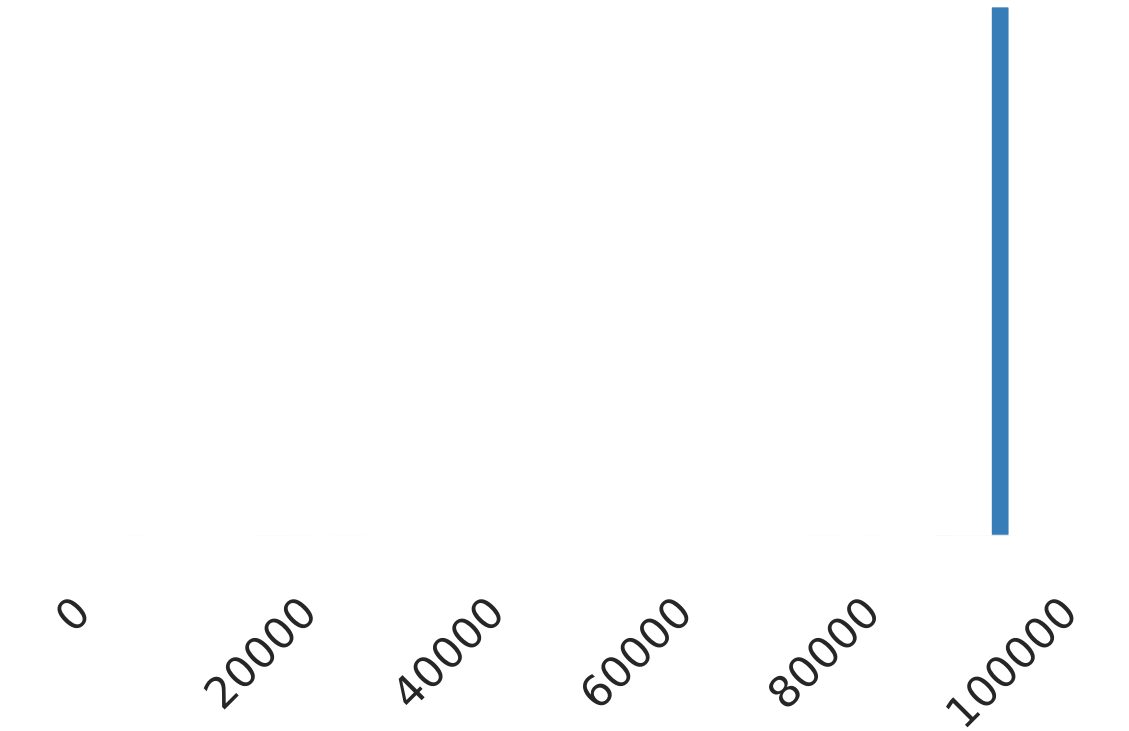
| Value | Count | Frequency (%) |
|-------|--------|---------------|
| 40 | 1 | < 0.1% |
| 39 | 166440 | 99.8% |
| 38 | 38 | < 0.1% |
| 37 | 3 | < 0.1% |
| 36 | 24 | < 0.1% |
| 35 | 7 | < 0.1% |
| 34 | 1 | < 0.1% |
| 33 | 4 | < 0.1% |
| 32 | 6 | < 0.1% |
| 31 | 1 | < 0.1% |

Postal Code

Real number ()

HIGH CORRELATION (This variable has a high overall correlation with 1 fields:
County) SKEWED

| | |
|--------------|-----------|
| Distinct | 836 |
| Distinct (%) | 0.5% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Infinite | 0 |
| Infinite (%) | 0.0% |
| Mean | 98173.714 |
| Minimum | 1730 |
| Maximum | 99577 |
| Zeros | 0 |
| Zeros (%) | 0.0% |
| Negative | 0 |
| Negative (%) | 0.0% |
| Memory size | 1.3 MiB |



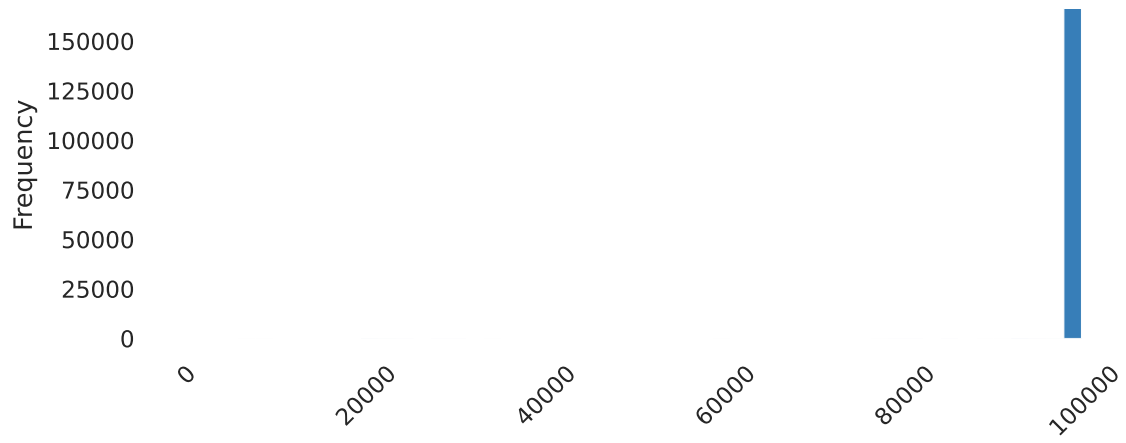
Quantile statistics

| | |
|---------------------------|-------|
| Minimum | 1730 |
| 5-th percentile | 98006 |
| Q1 | 98052 |
| median | 98122 |
| Q3 | 98371 |
| 95-th percentile | 98942 |
| Maximum | 99577 |
| Range | 97847 |
| Interquartile range (IQR) | 319 |

Descriptive statistics

| | |
|-------------------------------|-------------|
| Standard deviation | 2442.5844 |
| Coefficient of variation (CV) | 0.024880228 |
| Kurtosis | 954.3603 |

| | |
|--|----------------------------|
| Mean | 98173.714 |
| Median Absolute Deviation (MAD) | 101 |
| Skewness | -30.096087 |
| Sum | 1.6374885×10^{10} |
| Variance | 5966218.6 |
| Monotonicity | Not monotonic |



Histogram with fixed size bins (bins=50)

| Value | Count | Frequency (%) |
|--------------------|--------|---------------|
| 98052 | 4252 | 2.5% |
| 98012 | 3115 | 1.9% |
| 98033 | 2840 | 1.7% |
| 98006 | 2663 | 1.6% |
| 98004 | 2652 | 1.6% |
| 98115 | 2553 | 1.5% |
| 98074 | 2341 | 1.4% |
| 98072 | 2312 | 1.4% |
| 98188 | 2286 | 1.4% |
| 98034 | 2237 | 1.3% |
| Other values (826) | 139544 | 83.7% |

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 1730 | 1 | < 0.1% |
| 1731 | 1 | < 0.1% |
| 1824 | 1 | < 0.1% |
| 1908 | 1 | < 0.1% |
| 2842 | 1 | < 0.1% |
| 3804 | 1 | < 0.1% |
| 6355 | 1 | < 0.1% |
| 6371 | 1 | < 0.1% |
| 6379 | 2 | < 0.1% |
| 6385 | 1 | < 0.1% |

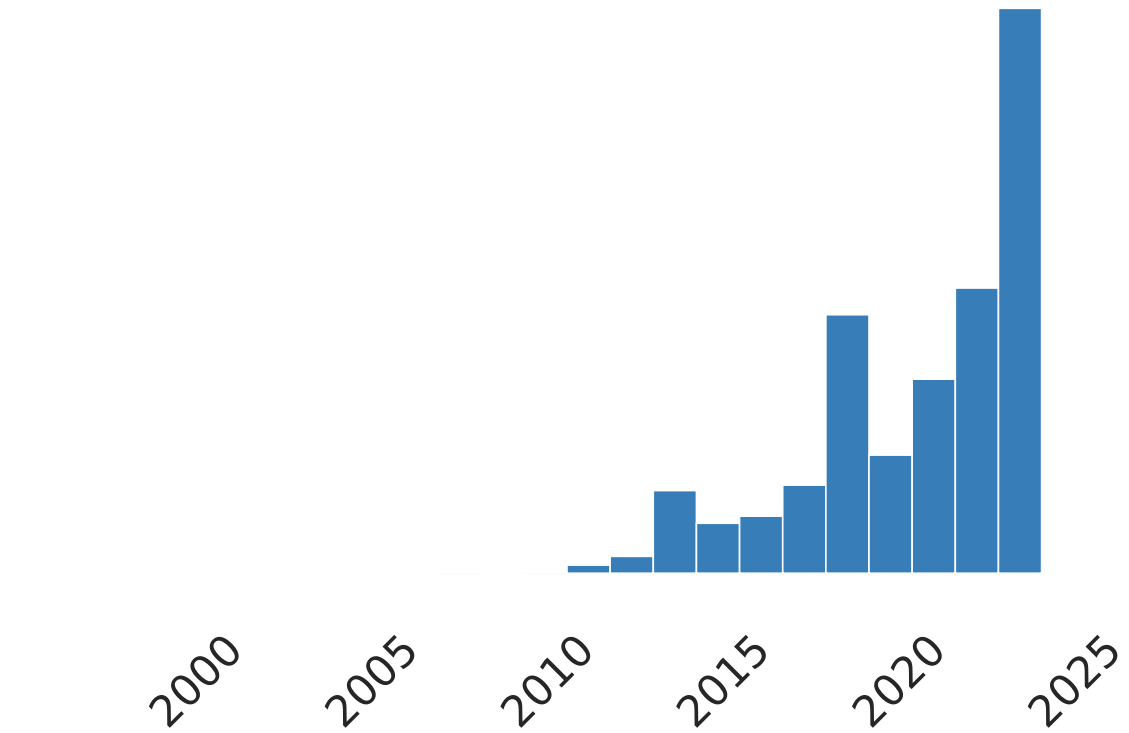
| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 99577 | 1 | < 0.1% |
| 99403 | 57 | < 0.1% |
| 99402 | 9 | < 0.1% |
| 99371 | 1 | < 0.1% |
| 99362 | 329 | 0.2% |
| 99361 | 12 | < 0.1% |
| 99360 | 7 | < 0.1% |
| 99357 | 19 | < 0.1% |
| 99356 | 1 | < 0.1% |
| 99354 | 283 | 0.2% |

Model Year

Real number ()

HIGH CORRELATION (This variable has a high overall correlation with 1 fields:
Electric Range)

| | |
|--------------|----------|
| Distinct | 22 |
| Distinct (%) | < 0.1% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Infinite | 0 |
| Infinite (%) | 0.0% |
| Mean | 2020.342 |
| Minimum | 1997 |
| Maximum | 2024 |
| Zeros | 0 |
| Zeros (%) | 0.0% |
| Negative | 0 |
| Negative (%) | 0.0% |
| Memory size | 1.3 MiB |



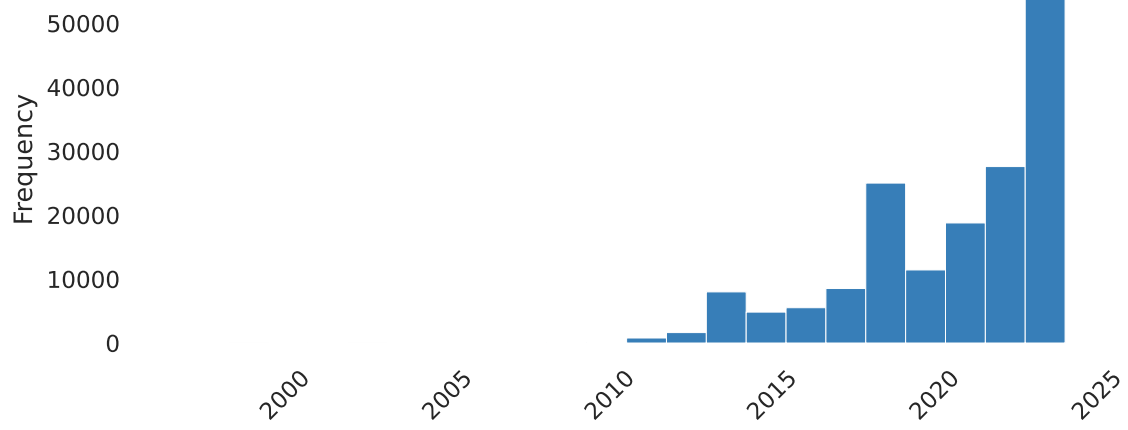
Quantile statistics

| | |
|---------------------------|------|
| Minimum | 1997 |
| 5-th percentile | 2014 |
| Q1 | 2018 |
| median | 2021 |
| Q3 | 2023 |
| 95-th percentile | 2023 |
| Maximum | 2024 |
| Range | 27 |
| Interquartile range (IQR) | 5 |

Descriptive statistics

| | |
|-------------------------------|--------------|
| Standard deviation | 3.0012851 |
| Coefficient of variation (CV) | 0.0014855332 |
| Kurtosis | 0.45023181 |

| | |
|---------------------------------|-------------------------|
| Mean | 2020.342 |
| Median Absolute Deviation (MAD) | 2 |
| Skewness | -1.0860991 |
| Sum | 3.3698294×10^8 |
| Variance | 9.0077124 |
| Monotonicity | Not monotonic |



Histogram with fixed size bins (bins=22)

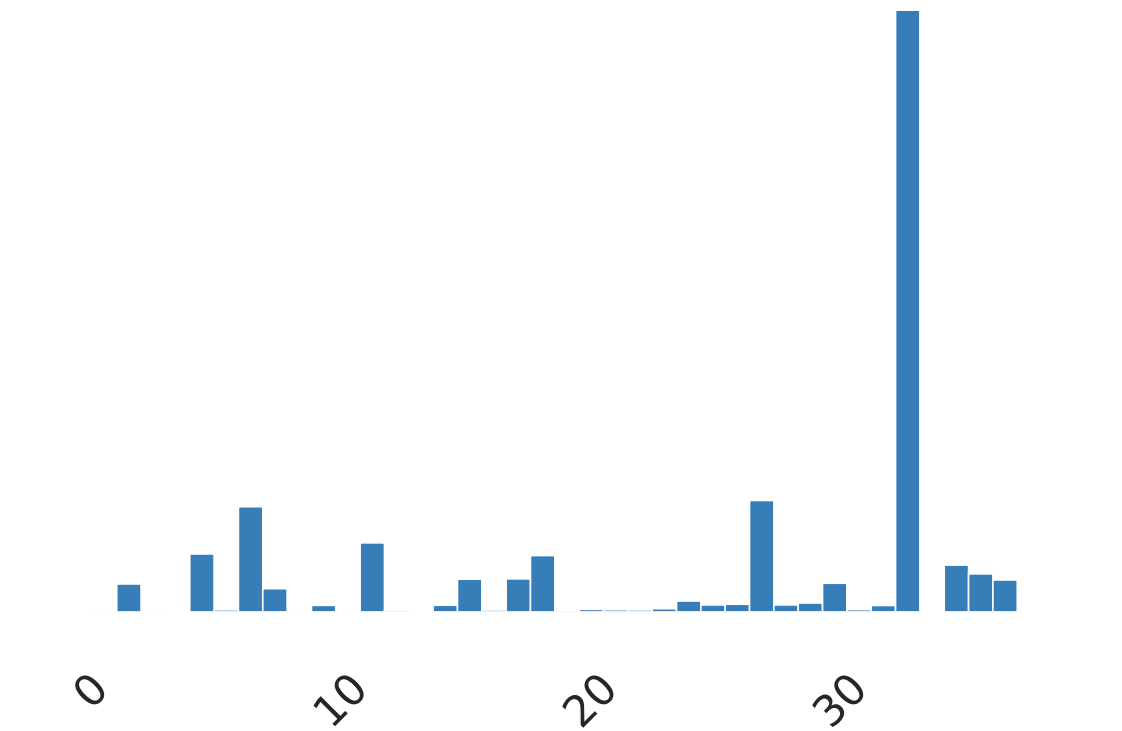
| Value | Count | Frequency (%) |
|-------------------|-------|---------------|
| 2023 | 51351 | 30.8% |
| 2022 | 27592 | 16.5% |
| 2021 | 18774 | 11.3% |
| 2018 | 14150 | 8.5% |
| 2020 | 11425 | 6.8% |
| 2019 | 10859 | 6.5% |
| 2017 | 8522 | 5.1% |
| 2016 | 5518 | 3.3% |
| 2015 | 4833 | 2.9% |
| 2013 | 4454 | 2.7% |
| Other values (12) | 9317 | 5.6% |

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 1997 | 1 | < 0.1% |
| 1998 | 1 | < 0.1% |
| 1999 | 3 | < 0.1% |
| 2000 | 7 | < 0.1% |
| 2002 | 2 | < 0.1% |
| 2003 | 1 | < 0.1% |
| 2008 | 19 | < 0.1% |
| 2010 | 23 | < 0.1% |
| 2011 | 782 | 0.5% |
| 2012 | 1630 | 1.0% |

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 2024 | 3309 | 2.0% |
| 2023 | 51351 | 30.8% |
| 2022 | 27592 | 16.5% |
| 2021 | 18774 | 11.3% |
| 2020 | 11425 | 6.8% |
| 2019 | 10859 | 6.5% |
| 2018 | 14150 | 8.5% |
| 2017 | 8522 | 5.1% |
| 2016 | 5518 | 3.3% |
| 2015 | 4833 | 2.9% |

Make
Real number ()

| | |
|--------------|-----------|
| Distinct | 39 |
| Distinct (%) | < 0.1% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Infinite | 0 |
| Infinite (%) | 0.0% |
| Mean | 25.009353 |
| Minimum | 0 |
| Maximum | 38 |
| Zeros | 29 |
| Zeros (%) | < 0.1% |
| Negative | 0 |
| Negative (%) | 0.0% |
| Memory size | 1.3 MiB |



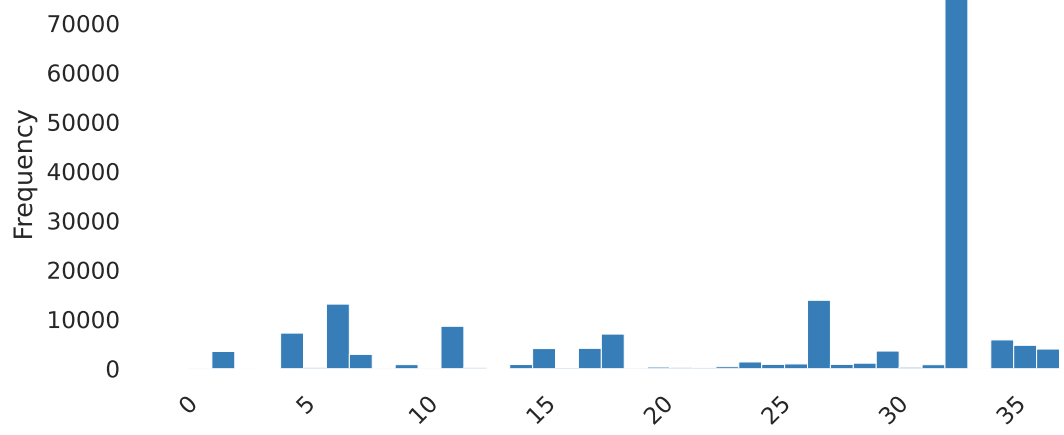
Quantile statistics

| | |
|---------------------------|----|
| Minimum | 0 |
| 5-th percentile | 4 |
| Q1 | 17 |
| median | 33 |
| Q3 | 33 |
| 95-th percentile | 36 |
| Maximum | 38 |
| Range | 38 |
| Interquartile range (IQR) | 16 |

Descriptive statistics

| | |
|-------------------------------|-------------|
| Standard deviation | 11.153195 |
| Coefficient of variation (CV) | 0.44596097 |
| Kurtosis | -0.82446467 |

| | |
|--|---------------|
| Mean | 25.009353 |
| Median Absolute Deviation (MAD) | 3 |
| Skewness | -0.87790223 |
| Sum | 4171435 |
| Variance | 124.39376 |
| Monotonicity | Not monotonic |



Histogram with fixed size bins (bins=39)

| Value | Count | Frequency (%) |
|-------------------|-------|---------------|
| 33 | 74830 | 44.9% |
| 27 | 13847 | 8.3% |
| 6 | 13072 | 7.8% |
| 11 | 8577 | 5.1% |
| 4 | 7196 | 4.3% |
| 18 | 6995 | 4.2% |
| 35 | 5812 | 3.5% |
| 36 | 4717 | 2.8% |
| 17 | 4100 | 2.5% |
| 15 | 4057 | 2.4% |
| Other values (29) | 23592 | 14.1% |

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 0 | 29 | < 0.1% |
| 1 | 3464 | 2.1% |
| 2 | 8 | < 0.1% |
| 3 | 3 | < 0.1% |
| 4 | 7196 | 4.3% |
| 5 | 245 | 0.1% |
| 6 | 13072 | 7.8% |
| 7 | 2878 | 1.7% |
| 8 | 28 | < 0.1% |
| 9 | 801 | 0.5% |

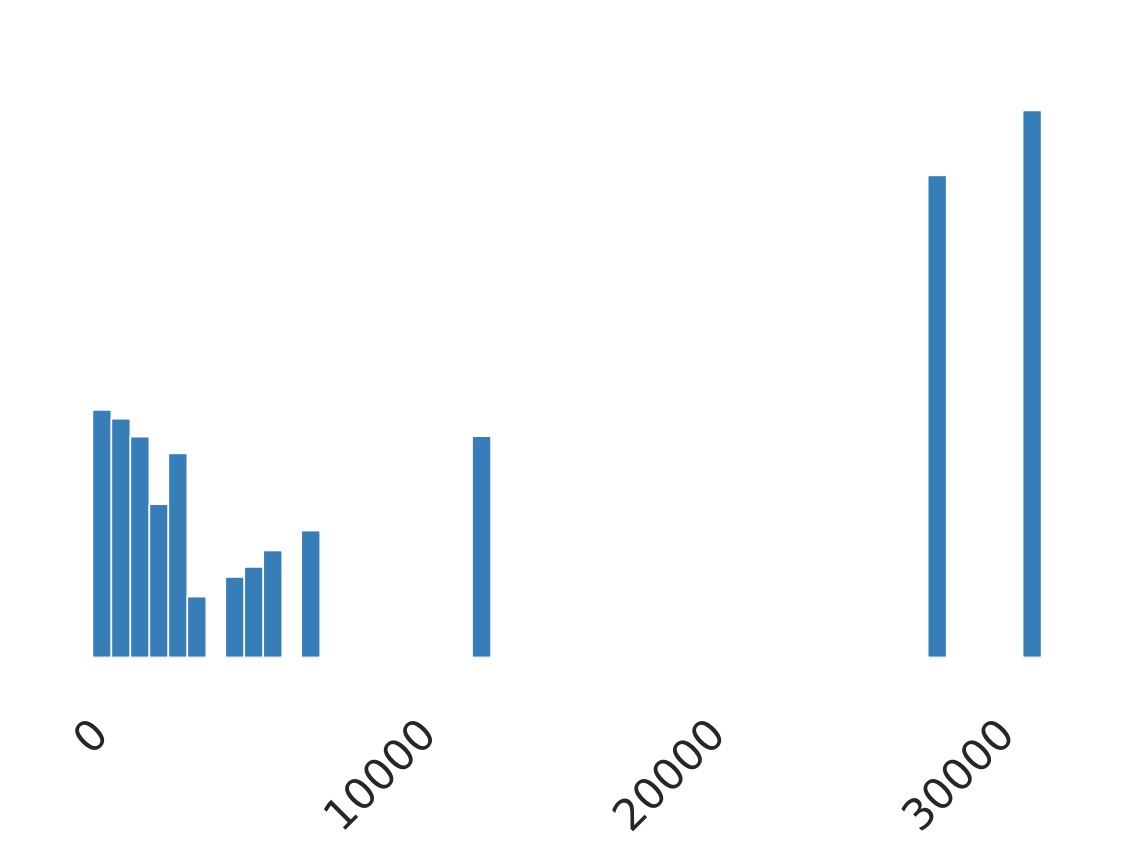
| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 38 | 3 | < 0.1% |
| 37 | 3962 | 2.4% |
| 36 | 4717 | 2.8% |
| 35 | 5812 | 3.5% |
| 34 | 5 | < 0.1% |
| 33 | 74830 | 44.9% |
| 32 | 788 | 0.5% |
| 31 | 275 | 0.2% |
| 30 | 3554 | 2.1% |
| 29 | 1097 | 0.7% |

Model

Real number ()

HIGH CORRELATION (This variable has a high overall correlation with 1 fields:
VIN (1-10))

| | |
|--------------|-----------|
| Distinct | 120 |
| Distinct (%) | 0.1% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Infinite | 0 |
| Infinite (%) | 0.0% |
| Mean | 14114.946 |
| Minimum | 1 |
| Maximum | 32822 |
| Zeros | 0 |
| Zeros (%) | 0.0% |
| Negative | 0 |
| Negative (%) | 0.0% |
| Memory size | 1.3 MiB |



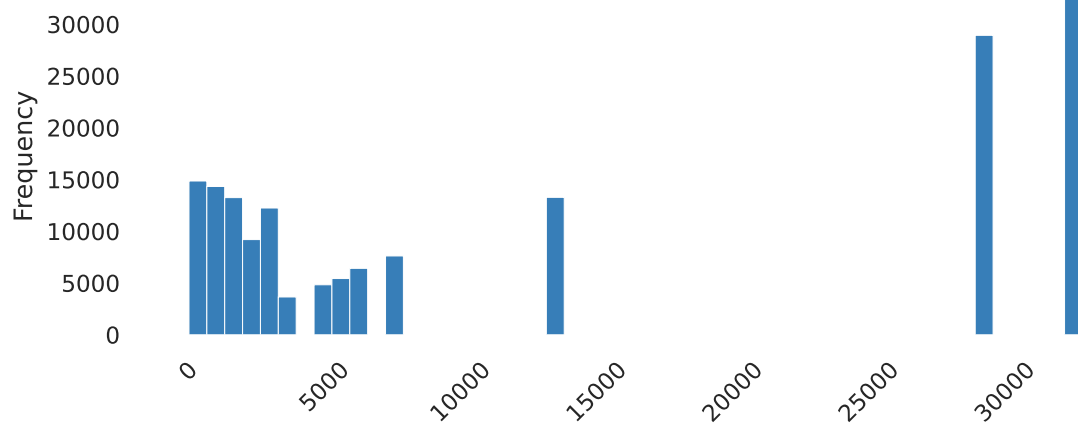
Quantile statistics

| | |
|---------------------------|-------|
| Minimum | 1 |
| 5-th percentile | 360 |
| Q1 | 1919 |
| median | 6413 |
| Q3 | 28925 |
| 95-th percentile | 32822 |
| Maximum | 32822 |
| Range | 32821 |
| Interquartile range (IQR) | 27006 |

Descriptive statistics

| | |
|-------------------------------|------------|
| Standard deviation | 13390.85 |
| Coefficient of variation (CV) | 0.94870007 |
| Kurtosis | -1.656049 |

| | |
|---------------------------------|-------------------------|
| Mean | 14114.946 |
| Median Absolute Deviation (MAD) | 6053 |
| Skewness | 0.40754717 |
| Sum | 2.3543024×10^9 |
| Variance | 1.7931486×10^8 |
| Monotonicity | Not monotonic |



Histogram with fixed size bins (bins=50)

| Value | Count | Frequency (%) |
|--------------------|-------|---------------|
| 32822 | 32822 | 19.7% |
| 28925 | 28925 | 17.3% |
| 13273 | 13273 | 8.0% |
| 7610 | 7610 | 4.6% |
| 6413 | 6413 | 3.8% |
| 5428 | 5428 | 3.3% |
| 4825 | 4825 | 2.9% |
| 3647 | 3647 | 2.2% |
| 3161 | 3161 | 1.9% |
| 3107 | 3107 | 1.9% |
| Other values (110) | 57584 | 34.5% |

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 1 | 4 | < 0.1% |
| 2 | 10 | < 0.1% |
| 3 | 6 | < 0.1% |
| 5 | 10 | < 0.1% |
| 6 | 6 | < 0.1% |
| 8 | 8 | < 0.1% |
| 10 | 30 | < 0.1% |
| 11 | 22 | < 0.1% |
| 12 | 12 | < 0.1% |
| 13 | 26 | < 0.1% |

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 32822 | 32822 | 19.7% |
| 28925 | 28925 | 17.3% |
| 13273 | 13273 | 8.0% |
| 7610 | 7610 | 4.6% |
| 6413 | 6413 | 3.8% |
| 5428 | 5428 | 3.3% |
| 4825 | 4825 | 2.9% |
| 3647 | 3647 | 2.2% |
| 3161 | 3161 | 1.9% |
| 3107 | 3107 | 1.9% |

Electric Vehicle Type

Categorical

HIGH CORRELATION (This variable has a high overall correlation with 2 fields:
Clean Alternative Fuel Vehicle Eligibility, Electric Range)

| | |
|---------------------|---------|
| Distinct | 2 |
| Distinct (%) | < 0.1% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Memory size | 1.3 MiB |

Length

| | |
|----------------------|---|
| Max length | 1 |
| Median length | 1 |
| Mean length | 1 |
| Min length | 1 |

Characters and Unicode

| | | |
|---------------------|---|---|
| Total characters | 166795 | |
| Distinct characters | 2 | |
| Distinct categories | 1 (https://en.wikipedia.org/wiki/Unicode_character_property#General_Category) | ? |
| Distinct scripts | 1 (https://en.wikipedia.org/wiki/Script_(Unicode)#List_of_scripts_in_Unicode) | ? |
| Distinct blocks | 1 (https://en.wikipedia.org/wiki/Unicode_block) | ? |

The Unicode Standard assigns character properties to each code point, which can be used to analyse textual variables.

Unique

| | | |
|---------------|---|---|
| Unique | 0 | ? |
|---------------|---|---|

| | |
|------------|------|
| Unique (%) | 0.0% |
|------------|------|

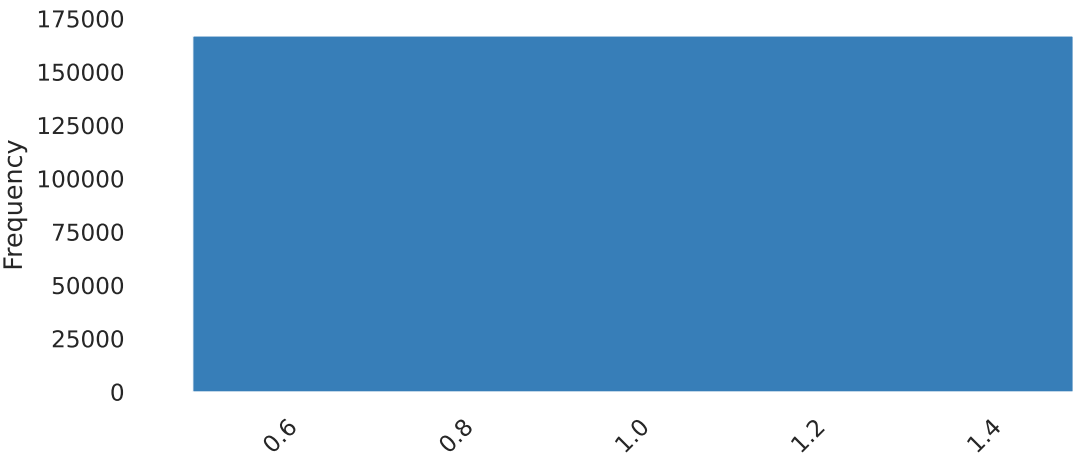
Sample

| | |
|---------|---|
| 1st row | 0 |
| 2nd row | 0 |
| 3rd row | 1 |
| 4th row | 0 |
| 5th row | 0 |

Common Values

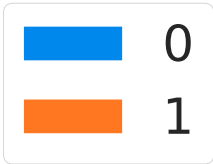
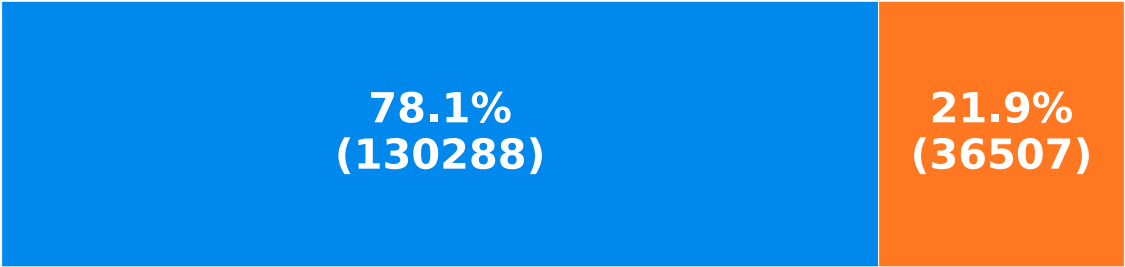
| Value | Count | Frequency (%) |
|-------|--------|---------------|
| 0 | 130288 | 78.1% |
| 1 | 36507 | 21.9% |

Length



Histogram of lengths of the category

Common Values (Plot)



| Value | Count | Frequency (%) |
|-------|--------|---------------|
| 0 | 130288 | 78.1% |
| 1 | 36507 | 21.9% |

Most occurring characters

| Value | Count | Frequency (%) |
|-------|--------|---------------|
| 0 | 130288 | 78.1% |
| 1 | 36507 | 21.9% |

Most occurring categories

| Value | Count | Frequency (%) |
|----------------|--------|---------------|
| Decimal Number | 166795 | 100.0% |

Most frequent character per category

Decimal Number

| Value | Count | Frequency (%) |
|-------|--------|---------------|
| 0 | 130288 | 78.1% |
| 1 | 36507 | 21.9% |

Most occurring scripts

| Value | Count | Frequency (%) |
|--------|--------|---------------|
| Common | 166795 | 100.0% |

Most frequent character per script

Common

| Value | Count | Frequency (%) |
|-------|--------|---------------|
| 0 | 130288 | 78.1% |
| 1 | 36507 | 21.9% |

Most occurring blocks

| Value | Count | Frequency (%) |
|-------|--------|---------------|
| ASCII | 166795 | 100.0% |

Most frequent character per block

ASCII

| Value | Count | Frequency (%) |
|-------|--------|---------------|
| 0 | 130288 | 78.1% |
| 1 | 36507 | 21.9% |

Clean Alternative Fuel Vehicle Eligibility

Categorical

HIGH CORRELATION (This variable has a high overall correlation with 2 fields:
Electric Range, Electric Vehicle Type)

| | |
|---------------------|---------|
| Distinct | 3 |
| Distinct (%) | < 0.1% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Memory size | 1.3 MiB |

Length

| | |
|----------------------|---|
| Max length | 1 |
| Median length | 1 |
| Mean length | 1 |
| Min length | 1 |

Characters and Unicode

| | | |
|---------------------|---|---|
| Total characters | 166795 | |
| Distinct characters | 3 | |
| Distinct categories | 1 (https://en.wikipedia.org/wiki/Unicode_character_property#General_Category) | ? |
| Distinct scripts | 1 (https://en.wikipedia.org/wiki/Script_(Unicode)#List_of_scripts_in_Unicode) | ? |
| Distinct blocks | 1 (https://en.wikipedia.org/wiki/Unicode_block) | ? |

The Unicode Standard assigns character properties to each code point, which can be used to analyse textual variables.

Unique

| | | |
|---------------|---|---|
| Unique | 0 | ? |
|---------------|---|---|

| | |
|------------|------|
| Unique (%) | 0.0% |
|------------|------|

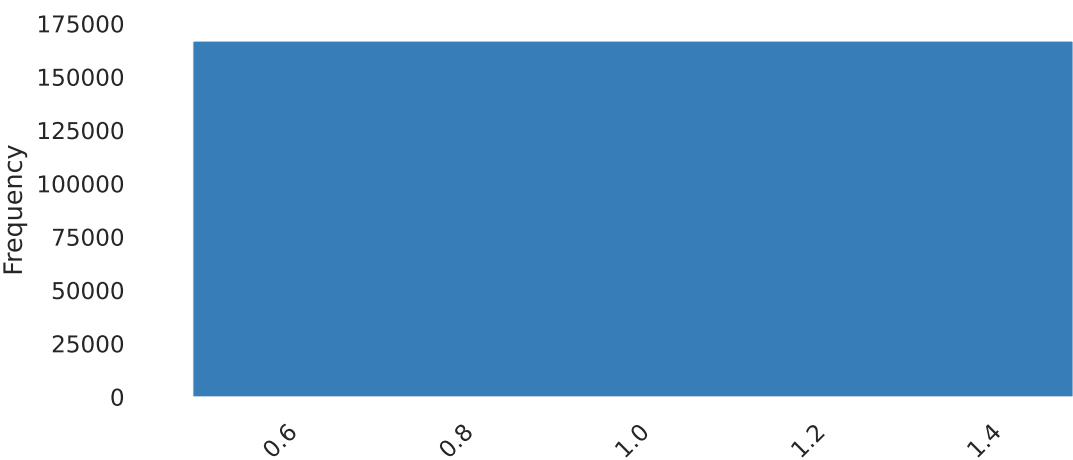
Sample

| | |
|---------|---|
| 1st row | 0 |
| 2nd row | 0 |
| 3rd row | 2 |
| 4th row | 1 |
| 5th row | 0 |

Common Values

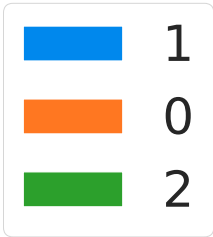
| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 1 | 83517 | 50.1% |
| 0 | 64294 | 38.5% |
| 2 | 18984 | 11.4% |

Length



Histogram of lengths of the category

Common Values (Plot)



| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 1 | 83517 | 50.1% |
| 0 | 64294 | 38.5% |
| 2 | 18984 | 11.4% |

Most occurring characters

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 1 | 83517 | 50.1% |
| 0 | 64294 | 38.5% |
| 2 | 18984 | 11.4% |

Most occurring categories

| Value | Count | Frequency (%) |
|----------------|--------|---------------|
| Decimal Number | 166795 | 100.0% |

Most frequent character per category

Decimal Number

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 1 | 83517 | 50.1% |
| 0 | 64294 | 38.5% |
| 2 | 18984 | 11.4% |

Most occurring scripts

| Value | Count | Frequency (%) |
|--------|--------|---------------|
| Common | 166795 | 100.0% |

Most frequent character per script

Common

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 1 | 83517 | 50.1% |
| 0 | 64294 | 38.5% |
| 2 | 18984 | 11.4% |

Most occurring blocks

| Value | Count | Frequency (%) |
|-------|--------|---------------|
| ASCII | 166795 | 100.0% |

Most frequent character per block

ASCII

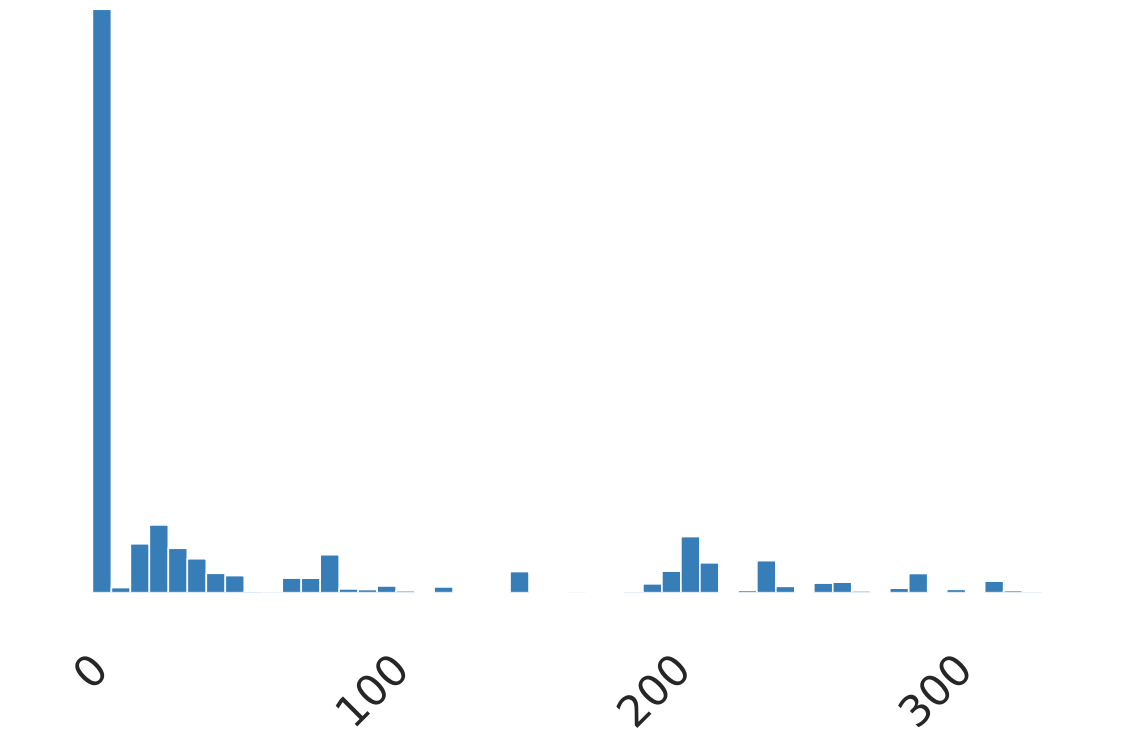
| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 1 | 83517 | 50.1% |
| 0 | 64294 | 38.5% |
| 2 | 18984 | 11.4% |

Electric Range

Real number ()

HIGH CORRELATION (This variable has a high overall correlation with 3 fields:
Clean Alternative Fuel Vehicle Eligibility, Electric Vehicle Type, Model
Year) ZEROS

| | |
|--------------|-----------|
| Distinct | 102 |
| Distinct (%) | 0.1% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Infinite | 0 |
| Infinite (%) | 0.0% |
| Mean | 61.505057 |
| Minimum | 0 |
| Maximum | 337 |
| Zeros | 83517 |
| Zeros (%) | 50.1% |
| Negative | 0 |
| Negative (%) | 0.0% |
| Memory size | 1.3 MiB |



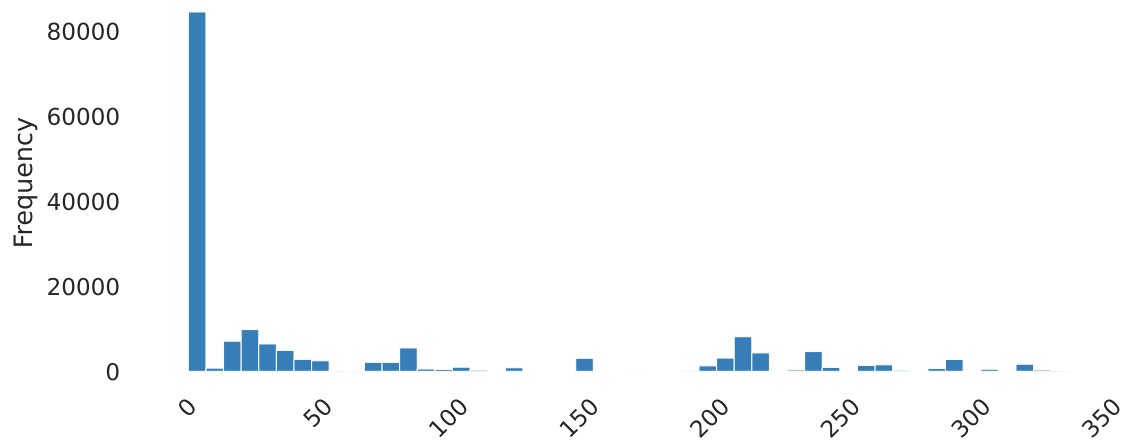
Quantile statistics

| | |
|---------------------------|-----|
| Minimum | 0 |
| 5-th percentile | 0 |
| Q1 | 0 |
| median | 0 |
| Q3 | 84 |
| 95-th percentile | 259 |
| Maximum | 337 |
| Range | 337 |
| Interquartile range (IQR) | 84 |

Descriptive statistics

| | |
|-------------------------------|------------|
| Standard deviation | 93.269778 |
| Coefficient of variation (CV) | 1.5164571 |
| Kurtosis | 0.38748856 |

| | |
|--|---------------|
| Mean | 61.505057 |
| Median Absolute Deviation (MAD) | 0 |
| Skewness | 1.3744808 |
| Sum | 10258736 |
| Variance | 8699.2515 |
| Monotonicity | Not monotonic |



Histogram with fixed size bins (bins=50)

| Value | Count | Frequency (%) |
|-------------------|-------|---------------|
| 0 | 83517 | 50.1% |
| 215 | 6272 | 3.8% |
| 220 | 4101 | 2.5% |
| 84 | 3918 | 2.3% |
| 25 | 3918 | 2.3% |
| 238 | 3790 | 2.3% |
| 21 | 3298 | 2.0% |
| 32 | 3182 | 1.9% |
| 208 | 2472 | 1.5% |
| 53 | 2466 | 1.5% |
| Other values (92) | 49861 | 29.9% |

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 0 | 83517 | 50.1% |
| 6 | 935 | 0.6% |
| 8 | 35 | < 0.1% |
| 9 | 21 | < 0.1% |
| 10 | 162 | 0.1% |
| 11 | 3 | < 0.1% |
| 12 | 164 | 0.1% |
| 13 | 358 | 0.2% |
| 14 | 1109 | 0.7% |
| 15 | 89 | 0.1% |

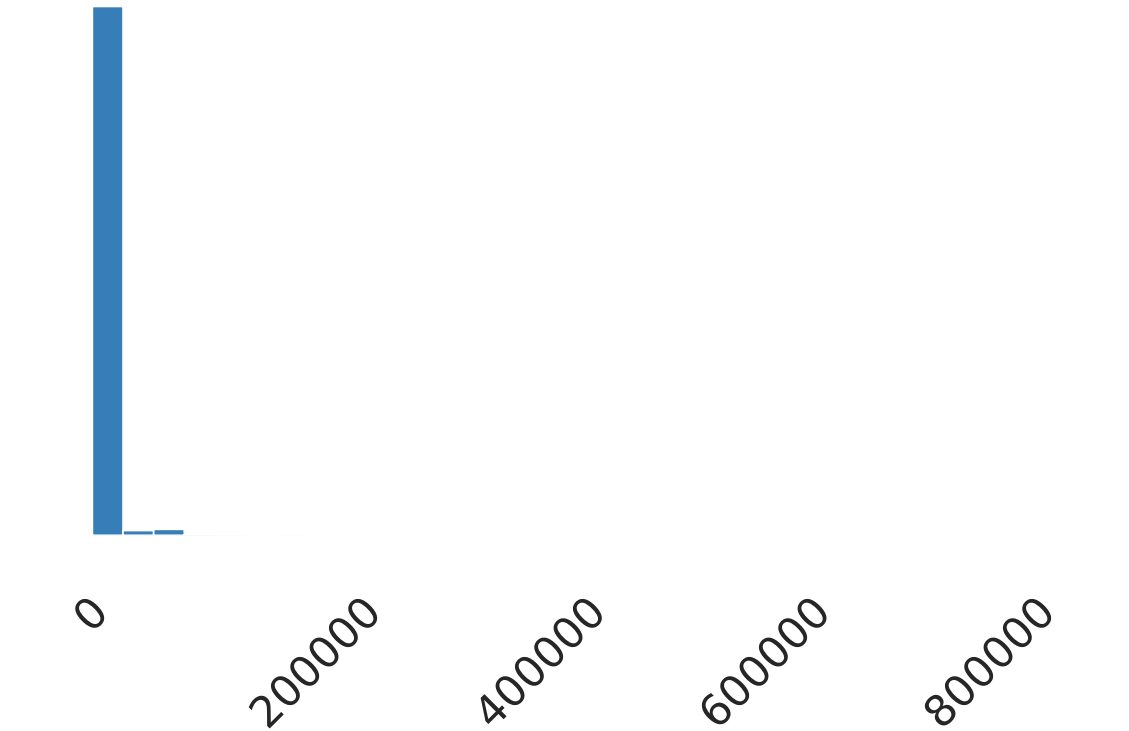
| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 337 | 74 | < 0.1% |
| 330 | 318 | 0.2% |
| 322 | 1671 | 1.0% |
| 308 | 485 | 0.3% |
| 293 | 443 | 0.3% |
| 291 | 2335 | 1.4% |
| 289 | 646 | 0.4% |
| 270 | 275 | 0.2% |
| 266 | 1400 | 0.8% |
| 265 | 124 | 0.1% |

Base MSRP

Real number ()

ZEROS

| | |
|--------------|-----------|
| Distinct | 31 |
| Distinct (%) | < 0.1% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Infinite | 0 |
| Infinite (%) | 0.0% |
| Mean | 1152.1645 |
| Minimum | 0 |
| Maximum | 845000 |
| Zeros | 163433 |
| Zeros (%) | 98.0% |
| Negative | 0 |
| Negative (%) | 0.0% |
| Memory size | 1.3 MiB |



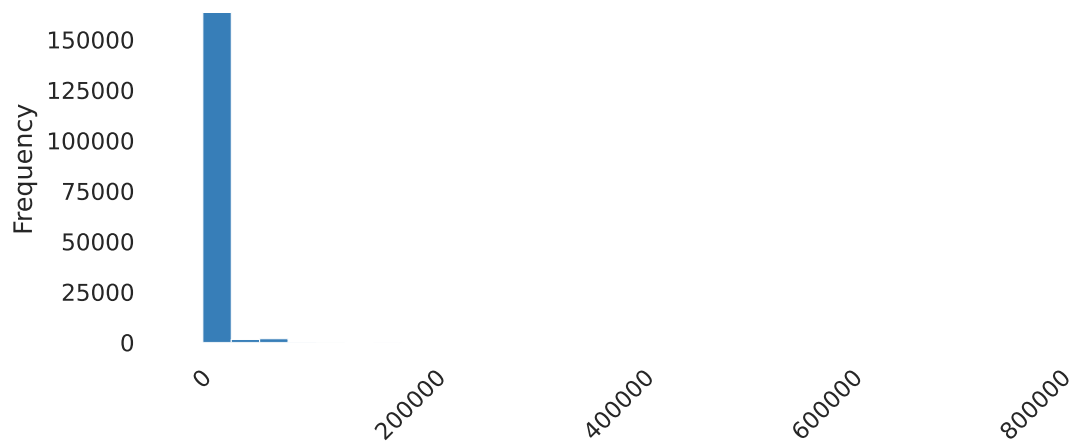
Quantile statistics

| | |
|---------------------------|--------|
| Minimum | 0 |
| 5-th percentile | 0 |
| Q1 | 0 |
| median | 0 |
| Q3 | 0 |
| 95-th percentile | 0 |
| Maximum | 845000 |
| Range | 845000 |
| Interquartile range (IQR) | 0 |

Descriptive statistics

| | |
|-------------------------------|-----------|
| Standard deviation | 8657.8981 |
| Coefficient of variation (CV) | 7.5144637 |
| Kurtosis | 603.44483 |

| | |
|---------------------------------|-------------------------|
| Mean | 1152.1645 |
| Median Absolute Deviation (MAD) | 0 |
| Skewness | 12.852734 |
| Sum | 1.9217528×10^8 |
| Variance | 74959200 |
| Monotonicity | Not monotonic |



Histogram with fixed size bins (bins=31)

| Value | Count | Frequency (%) |
|-------------------|--------|---------------|
| 0 | 163433 | 98.0% |
| 69900 | 1390 | 0.8% |
| 31950 | 381 | 0.2% |
| 52900 | 220 | 0.1% |
| 32250 | 141 | 0.1% |
| 54950 | 130 | 0.1% |
| 59900 | 124 | 0.1% |
| 39995 | 111 | 0.1% |
| 36900 | 100 | 0.1% |
| 44100 | 95 | 0.1% |
| Other values (21) | 670 | 0.4% |

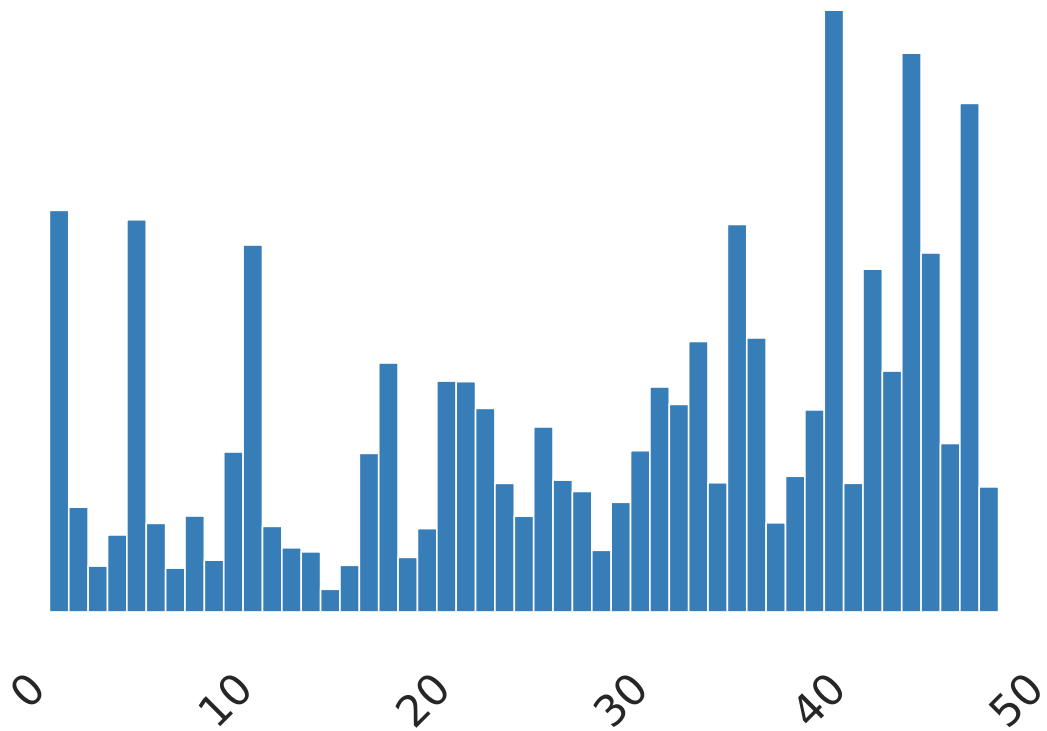
| Value | Count | Frequency (%) |
|-------|--------|---------------|
| 0 | 163433 | 98.0% |
| 31950 | 381 | 0.2% |
| 32250 | 141 | 0.1% |
| 32995 | 3 | < 0.1% |
| 33950 | 72 | < 0.1% |
| 34995 | 67 | < 0.1% |
| 36800 | 54 | < 0.1% |
| 36900 | 100 | 0.1% |
| 39995 | 111 | 0.1% |
| 43700 | 11 | < 0.1% |

| Value | Count | Frequency (%) |
|--------|-------|---------------|
| 845000 | 1 | < 0.1% |
| 184400 | 10 | < 0.1% |
| 110950 | 20 | < 0.1% |
| 109000 | 6 | < 0.1% |
| 102000 | 15 | < 0.1% |
| 98950 | 19 | < 0.1% |
| 91250 | 5 | < 0.1% |
| 90700 | 20 | < 0.1% |
| 89100 | 7 | < 0.1% |
| 81100 | 22 | < 0.1% |

Legislative District

Real number ()

| | |
|--------------|-----------|
| Distinct | 49 |
| Distinct (%) | < 0.1% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Infinite | 0 |
| Infinite (%) | 0.0% |
| Mean | 29.187074 |
| Minimum | 1 |
| Maximum | 49 |
| Zeros | 0 |
| Zeros (%) | 0.0% |
| Negative | 0 |
| Negative (%) | 0.0% |
| Memory size | 1.3 MiB |



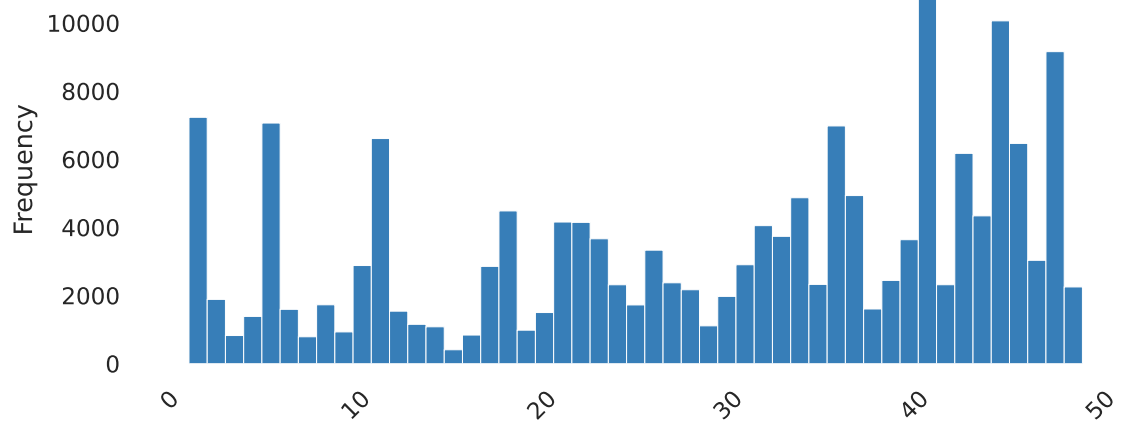
Quantile statistics

| | |
|---------------------------|----|
| Minimum | 1 |
| 5-th percentile | 2 |
| Q1 | 18 |
| median | 33 |
| Q3 | 42 |
| 95-th percentile | 48 |
| Maximum | 49 |
| Range | 48 |
| Interquartile range (IQR) | 24 |

Descriptive statistics

| | |
|-------------------------------|------------|
| Standard deviation | 14.838763 |
| Coefficient of variation (CV) | 0.50840187 |
| Kurtosis | -1.0831421 |

| | |
|---------------------------------|---------------|
| Mean | 29.187074 |
| Median Absolute Deviation (MAD) | 11 |
| Skewness | -0.46729894 |
| Sum | 4868258 |
| Variance | 220.18889 |
| Monotonicity | Not monotonic |



Histogram with fixed size bins (bins=49)

| Value | Count | Frequency (%) |
|-------------------|-------|---------------|
| 41 | 10837 | 6.5% |
| 45 | 10062 | 6.0% |
| 48 | 9158 | 5.5% |
| 1 | 7231 | 4.3% |
| 5 | 7062 | 4.2% |
| 36 | 6977 | 4.2% |
| 11 | 6607 | 4.0% |
| 46 | 6464 | 3.9% |
| 43 | 6172 | 3.7% |
| 37 | 4933 | 3.0% |
| Other values (39) | 91292 | 54.7% |

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 1 | 7231 | 4.3% |
| 2 | 1885 | 1.1% |
| 3 | 824 | 0.5% |
| 4 | 1385 | 0.8% |
| 5 | 7062 | 4.2% |
| 6 | 1593 | 1.0% |
| 7 | 787 | 0.5% |
| 8 | 1726 | 1.0% |
| 9 | 930 | 0.6% |
| 10 | 2879 | 1.7% |

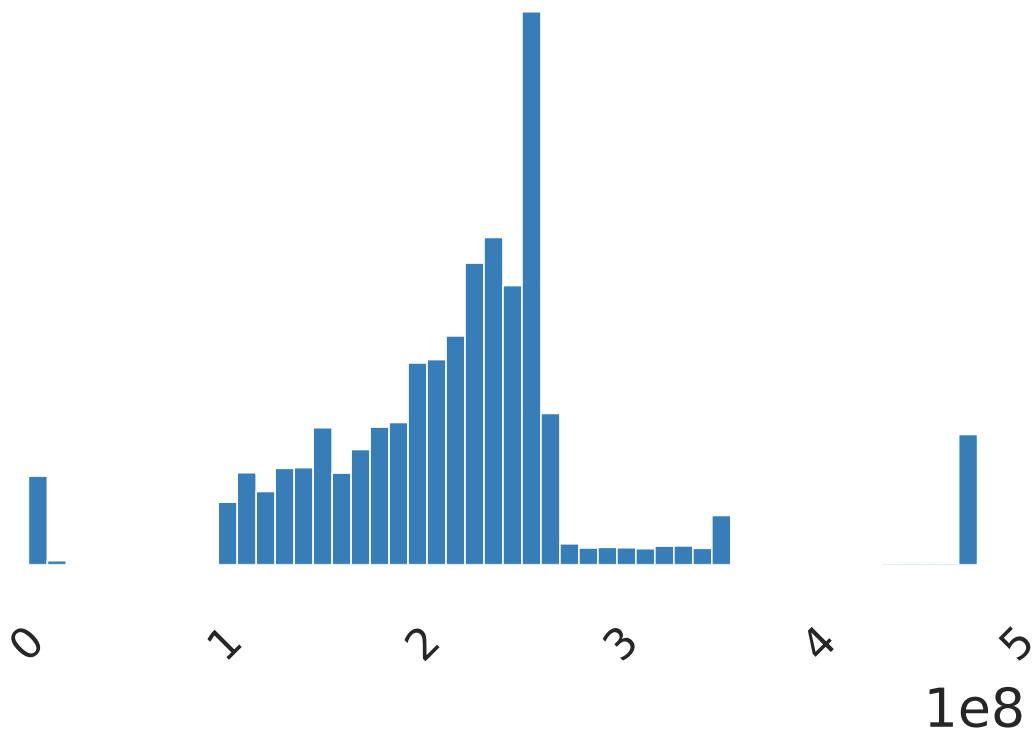
| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 49 | 2250 | 1.3% |
| 48 | 9158 | 5.5% |
| 47 | 3032 | 1.8% |
| 46 | 6464 | 3.9% |
| 45 | 10062 | 6.0% |
| 44 | 4337 | 2.6% |
| 43 | 6172 | 3.7% |
| 42 | 2315 | 1.4% |
| 41 | 10837 | 6.5% |
| 40 | 3637 | 2.2% |

DOL Vehicle ID

Real number ()

UNIQUE

| | |
|--------------|-------------------------|
| Distinct | 166795 |
| Distinct (%) | 100.0% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Infinite | 0 |
| Infinite (%) | 0.0% |
| Mean | 2.1724184×10^8 |
| Minimum | 4385 |
| Maximum | 4.7925477×10^8 |
| Zeros | 0 |
| Zeros (%) | 0.0% |
| Negative | 0 |
| Negative (%) | 0.0% |
| Memory size | 1.3 MiB |



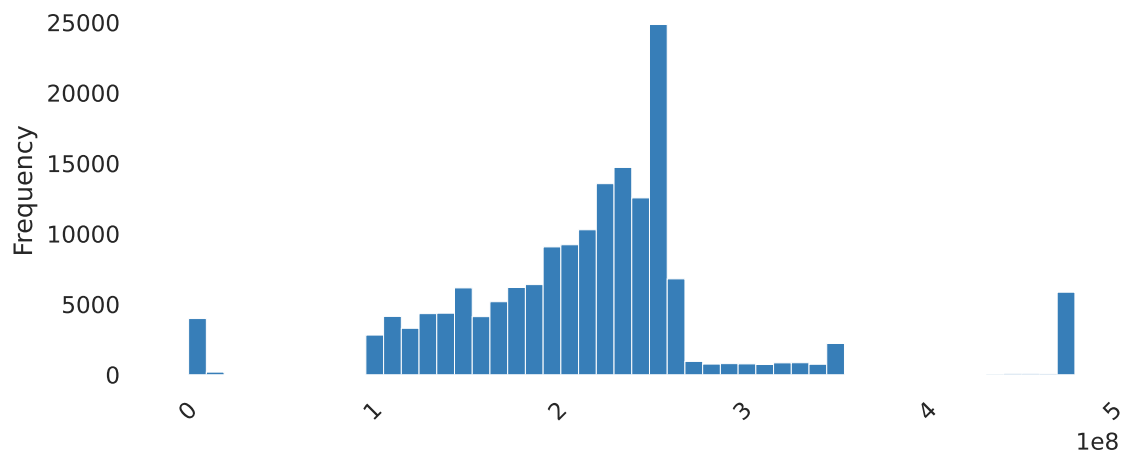
Quantile statistics

| | |
|---------------------------|-------------------------|
| Minimum | 4385 |
| 5-th percentile | 1.0927167×10^8 |
| Q1 | 1.7907484×10^8 |
| median | 2.2440553×10^8 |
| Q3 | 2.5134214×10^8 |
| 95-th percentile | 3.4420524×10^8 |
| Maximum | 4.7925477×10^8 |
| Range | 4.7925039×10^8 |
| Interquartile range (IQR) | 72267307 |

Descriptive statistics

| | |
|-------------------------------|------------|
| Standard deviation | 77272387 |
| Coefficient of variation (CV) | 0.35569753 |
| Kurtosis | 3.4970115 |

| | |
|---------------------------------|----------------------------|
| Mean | 2.1724184×10^8 |
| Median Absolute Deviation (MAD) | 30843393 |
| Skewness | 0.7258894 |
| Sum | 3.6234853×10^{13} |
| Variance | 5.9710219×10^{15} |
| Monotonicity | Not monotonic |



Histogram with fixed size bins (bins=50)

| Value | Count | Frequency (%) |
|-----------------------|--------|---------------|
| 1593721 | 1 | < 0.1% |
| 196311664 | 1 | < 0.1% |
| 181452680 | 1 | < 0.1% |
| 142435835 | 1 | < 0.1% |
| 148905543 | 1 | < 0.1% |
| 249787583 | 1 | < 0.1% |
| 220480571 | 1 | < 0.1% |
| 249691865 | 1 | < 0.1% |
| 131525467 | 1 | < 0.1% |
| 233740279 | 1 | < 0.1% |
| Other values (166785) | 166785 | > 99.9% |

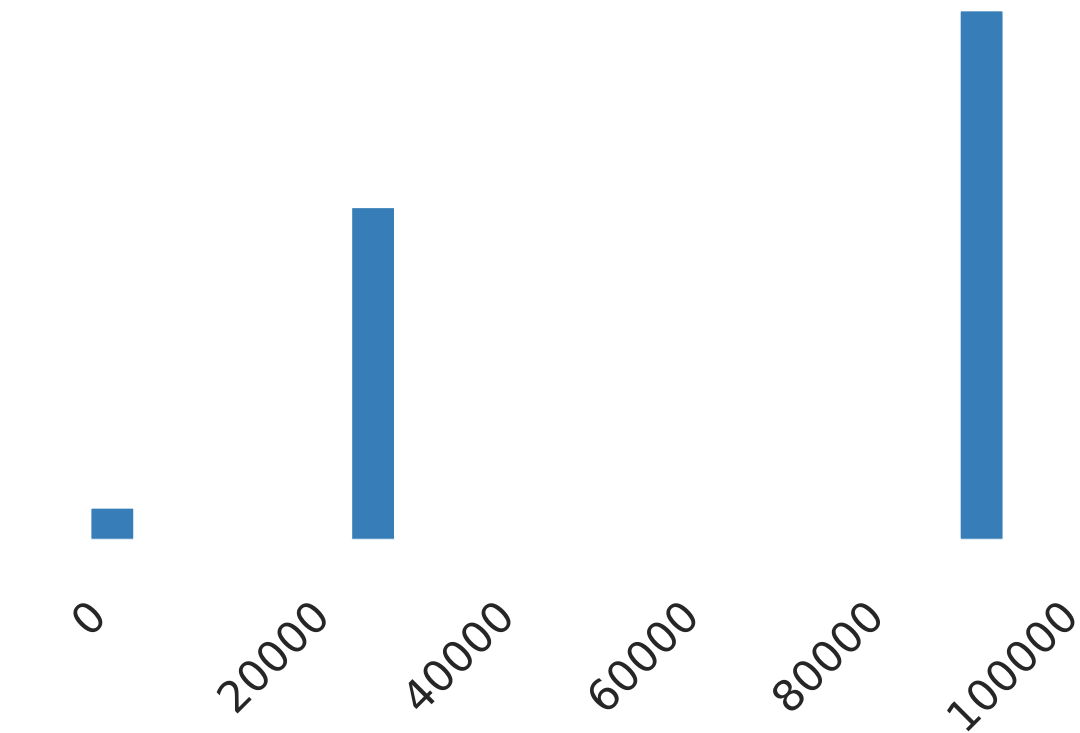
| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 4385 | 1 | < 0.1% |
| 4777 | 1 | < 0.1% |
| 10286 | 1 | < 0.1% |
| 10734 | 1 | < 0.1% |
| 12050 | 1 | < 0.1% |
| 23145 | 1 | < 0.1% |
| 24629 | 1 | < 0.1% |
| 27702 | 1 | < 0.1% |
| 35325 | 1 | < 0.1% |
| 46112 | 1 | < 0.1% |

| Value | Count | Frequency (%) |
|-----------|-------|---------------|
| 479254772 | 1 | < 0.1% |
| 479114996 | 1 | < 0.1% |
| 478935460 | 1 | < 0.1% |
| 478934571 | 1 | < 0.1% |
| 478926346 | 1 | < 0.1% |
| 478925947 | 1 | < 0.1% |
| 478925163 | 1 | < 0.1% |
| 478924358 | 1 | < 0.1% |
| 478916028 | 1 | < 0.1% |
| 478910428 | 1 | < 0.1% |

Electric Utility

Real number ()

| | |
|--------------|-----------|
| Distinct | 21 |
| Distinct (%) | < 0.1% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Infinite | 0 |
| Infinite (%) | 0.0% |
| Mean | 70131.494 |
| Minimum | 3 |
| Maximum | 98811 |
| Zeros | 0 |
| Zeros (%) | 0.0% |
| Negative | 0 |
| Negative (%) | 0.0% |
| Memory size | 1.3 MiB |



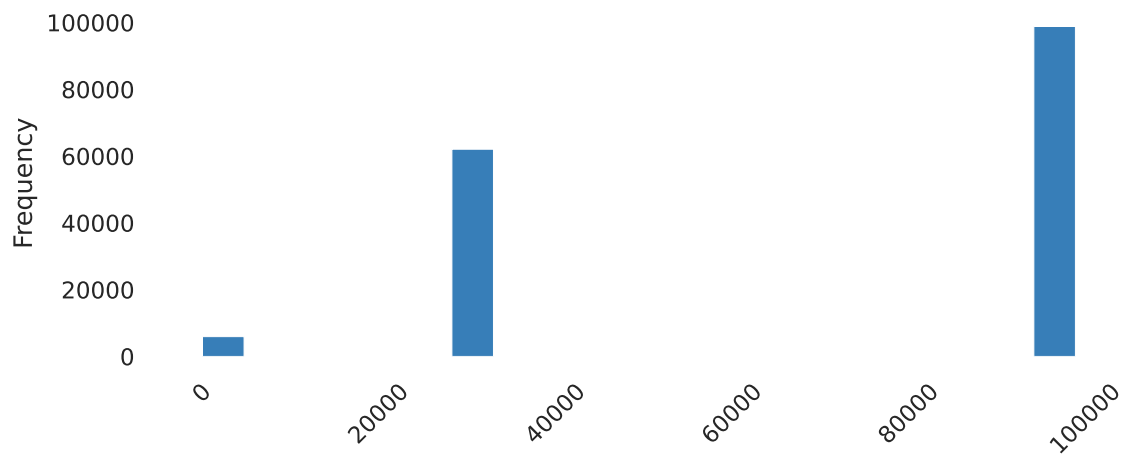
Quantile statistics

| | |
|---------------------------|-------|
| Minimum | 3 |
| 5-th percentile | 29601 |
| Q1 | 32454 |
| median | 98811 |
| Q3 | 98811 |
| 95-th percentile | 98811 |
| Maximum | 98811 |
| Range | 98808 |
| Interquartile range (IQR) | 66357 |

Descriptive statistics

| | |
|-------------------------------|------------|
| Standard deviation | 35015.822 |
| Coefficient of variation (CV) | 0.49928813 |
| Kurtosis | -1.606193 |

| | |
|---------------------------------|----------------------------|
| Mean | 70131.494 |
| Median Absolute Deviation (MAD) | 0 |
| Skewness | -0.46860742 |
| Sum | 1.1697583×10^{10} |
| Variance | 1.2261078×10^9 |
| Monotonicity | Not monotonic |



Histogram with fixed size bins (bins=21)

| Value | Count | Frequency (%) |
|-------------------|-------|---------------|
| 98811 | 98811 | 59.2% |
| 32454 | 32454 | 19.5% |
| 29601 | 29601 | 17.7% |
| 1245 | 1245 | 0.7% |
| 1059 | 1059 | 0.6% |
| 989 | 989 | 0.6% |
| 530 | 530 | 0.3% |
| 372 | 372 | 0.2% |
| 355 | 355 | 0.2% |
| 335 | 335 | 0.2% |
| Other values (11) | 1044 | 0.6% |

| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 3 | 3 | < 0.1% |
| 5 | 5 | < 0.1% |
| 6 | 6 | < 0.1% |
| 40 | 40 | < 0.1% |
| 42 | 42 | < 0.1% |
| 56 | 56 | < 0.1% |
| 98 | 98 | 0.1% |
| 139 | 139 | 0.1% |
| 186 | 186 | 0.1% |
| 222 | 222 | 0.1% |

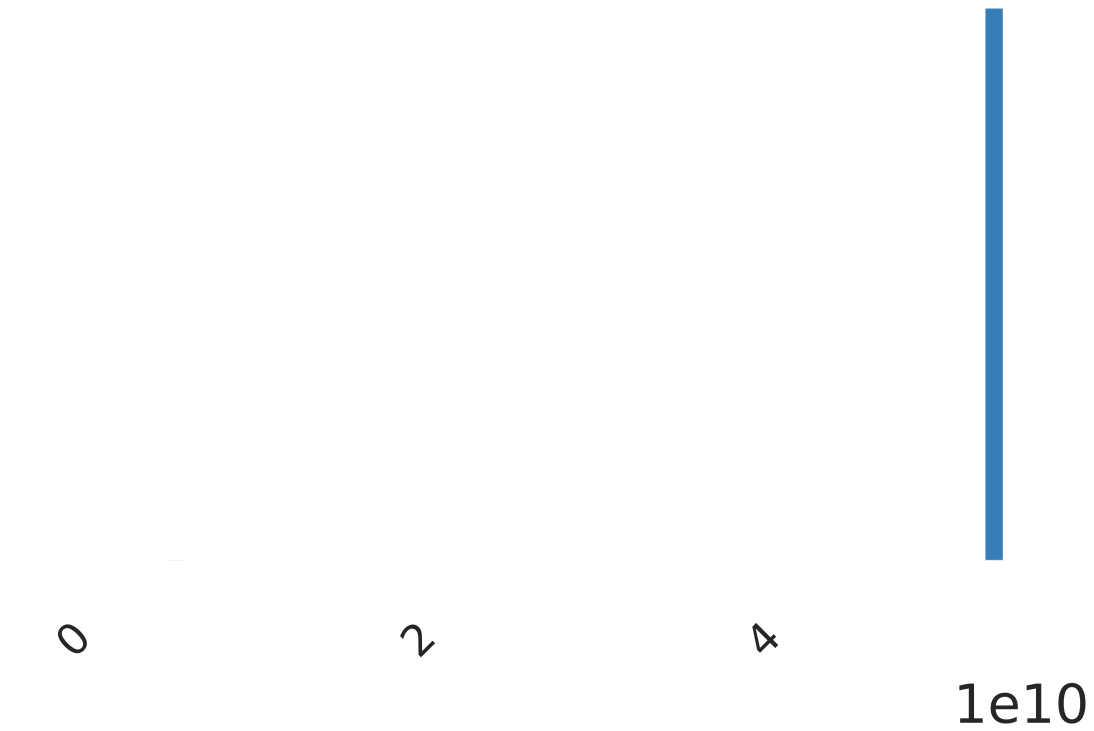
| Value | Count | Frequency (%) |
|-------|-------|---------------|
| 98811 | 98811 | 59.2% |
| 32454 | 32454 | 19.5% |
| 29601 | 29601 | 17.7% |
| 1245 | 1245 | 0.7% |
| 1059 | 1059 | 0.6% |
| 989 | 989 | 0.6% |
| 530 | 530 | 0.3% |
| 372 | 372 | 0.2% |
| 355 | 355 | 0.2% |
| 335 | 335 | 0.2% |

2020 Census Tract

Real number ()

SKEWED

| | |
|--------------|----------------------------|
| Distinct | 2088 |
| Distinct (%) | 1.3% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Infinite | 0 |
| Infinite (%) | 0.0% |
| Mean | 5.2977092×10^{10} |
| Minimum | 1.0010201×10^9 |
| Maximum | 5.6033×10^{10} |
| Zeros | 0 |
| Zeros (%) | 0.0% |
| Negative | 0 |
| Negative (%) | 0.0% |
| Memory size | 1.3 MiB |



Quantile statistics

| | |
|---------------------------|----------------------------|
| Minimum | 1.0010201×10^9 |
| 5-th percentile | 5.3011041×10^{10} |
| Q1 | 5.303301×10^{10} |
| median | 5.303303×10^{10} |
| Q3 | 5.3053073×10^{10} |
| 95-th percentile | 5.3067012×10^{10} |
| Maximum | 5.6033×10^{10} |
| Range | 5.503198×10^{10} |
| Interquartile range (IQR) | 20063300 |

Descriptive statistics

| | |
|-------------------------------|-------------------------|
| Standard deviation | 1.5697544×10^9 |
| Coefficient of variation (CV) | 0.029630815 |
| Kurtosis | 751.92796 |

| | |
|--|----------------------------|
| Mean | 5.2977092×10^{10} |
| Median Absolute Deviation (MAD) | 27702 |
| Skewness | -26.966776 |
| Sum | 8.836314×10^{15} |
| Variance | 2.4641288×10^{18} |
| Monotonicity | Not monotonic |



Histogram with fixed size bins (bins=50)

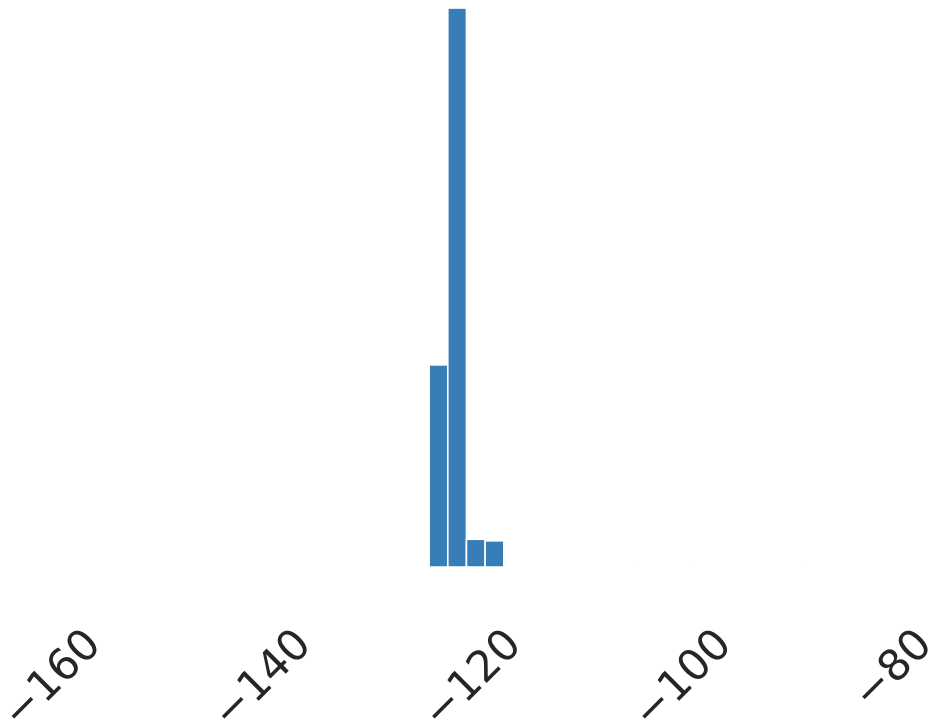
| Value | Count | Frequency (%) |
|------------------------------|--------|---------------|
| $5.30330282 \times 10^{10}$ | 1914 | 1.1% |
| $5.30330285 \times 10^{10}$ | 1001 | 0.6% |
| $5.303303232 \times 10^{10}$ | 763 | 0.5% |
| $5.30330262 \times 10^{10}$ | 713 | 0.4% |
| $5.30330093 \times 10^{10}$ | 647 | 0.4% |
| $5.30670112 \times 10^{10}$ | 624 | 0.4% |
| $5.303303232 \times 10^{10}$ | 564 | 0.3% |
| $5.303303222 \times 10^{10}$ | 545 | 0.3% |
| $5.303302501 \times 10^{10}$ | 532 | 0.3% |
| $5.306105211 \times 10^{10}$ | 529 | 0.3% |
| Other values (2078) | 158963 | 95.3% |

| Value | Count | Frequency (%) |
|------------|-------|---------------|
| 1001020100 | 2 | < 0.1% |
| 1081041901 | 1 | < 0.1% |
| 1097006803 | 1 | < 0.1% |
| 1117030352 | 1 | < 0.1% |
| 2020000206 | 1 | < 0.1% |
| 4013115900 | 1 | < 0.1% |
| 4013216901 | 1 | < 0.1% |
| 4013610301 | 1 | < 0.1% |
| 4013610302 | 1 | < 0.1% |
| 4013610500 | 1 | < 0.1% |

| Value | Count | Frequency (%) |
|------------------------------|-------|---------------|
| $5.60330001 \times 10^{10}$ | 1 | < 0.1% |
| $5.307794001 \times 10^{10}$ | 5 | < 0.1% |
| $5.307794001 \times 10^{10}$ | 3 | < 0.1% |
| 5.307794×10^{10} | 2 | < 0.1% |
| 5.307794×10^{10} | 7 | < 0.1% |
| 5.307794×10^{10} | 7 | < 0.1% |
| 5.307794×10^{10} | 3 | < 0.1% |
| $5.30770034 \times 10^{10}$ | 33 | < 0.1% |
| $5.30770032 \times 10^{10}$ | 40 | < 0.1% |
| $5.30770031 \times 10^{10}$ | 20 | < 0.1% |

Longitude
Real number ()

| | |
|--------------|------------|
| Distinct | 834 |
| Distinct (%) | 0.5% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Infinite | 0 |
| Infinite (%) | 0.0% |
| Mean | -122.03183 |
| Minimum | -159.71248 |
| Maximum | -70.873801 |
| Zeros | 0 |
| Zeros (%) | 0.0% |
| Negative | 166795 |
| Negative (%) | 100.0% |
| Memory size | 1.3 MiB |



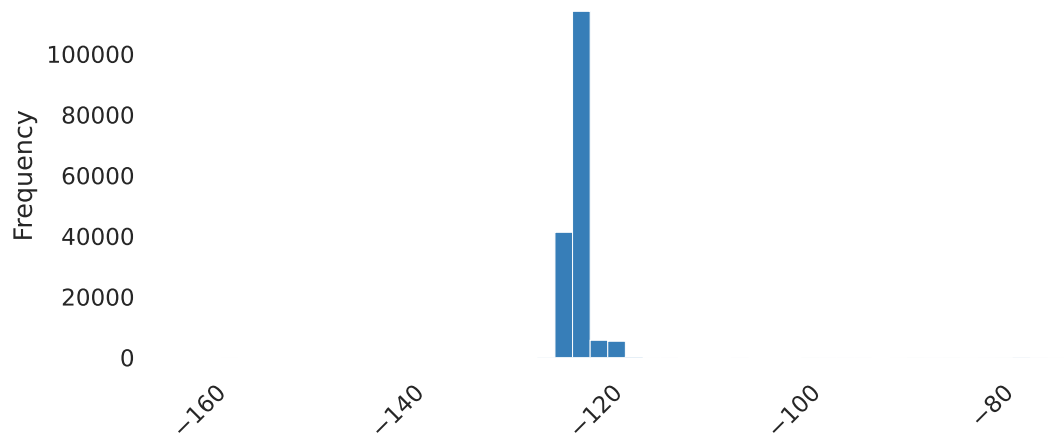
Quantile statistics

| | |
|---------------------------|------------|
| Minimum | -159.71248 |
| 5-th percentile | -122.87571 |
| Q1 | -122.39418 |
| median | -122.29179 |
| Q3 | -122.15166 |
| 95-th percentile | -119.29521 |
| Maximum | -70.873801 |
| Range | 88.838679 |
| Interquartile range (IQR) | 0.24252 |

Descriptive statistics

| | |
|-------------------------------|--------------|
| Standard deviation | 1.8138196 |
| Coefficient of variation (CV) | -0.014863496 |
| Kurtosis | 376.00813 |

| | |
|--|---------------|
| Mean | -122.03183 |
| Median Absolute Deviation (MAD) | 0.13445 |
| Skewness | 15.555343 |
| Sum | -20354299 |
| Variance | 3.2899414 |
| Monotonicity | Not monotonic |



Histogram with fixed size bins (bins=50)

| Value | Count | Frequency (%) |
|--------------------|--------|---------------|
| -122.12302 | 4257 | 2.6% |
| -122.1873 | 3115 | 1.9% |
| -122.20264 | 2840 | 1.7% |
| -122.16937 | 2663 | 1.6% |
| -122.201905 | 2652 | 1.6% |
| -122.3185 | 2553 | 1.5% |
| -122.0313266 | 2341 | 1.4% |
| -122.151665 | 2312 | 1.4% |
| -122.29179 | 2286 | 1.4% |
| -122.209285 | 2237 | 1.3% |
| Other values (824) | 139539 | 83.7% |

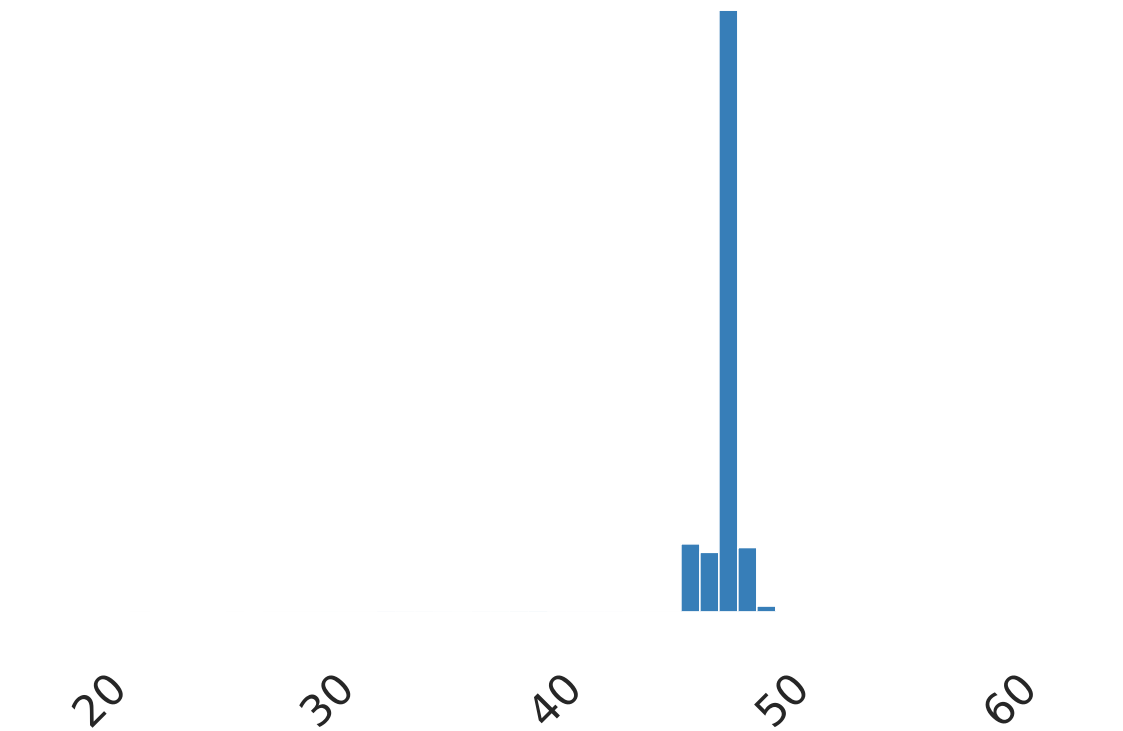
| Value | Count | Frequency (%) |
|--------------|-------|---------------|
| -159.71248 | 1 | < 0.1% |
| -158.019325 | 1 | < 0.1% |
| -158.009805 | 1 | < 0.1% |
| -157.9124 | 3 | < 0.1% |
| -157.74382 | 1 | < 0.1% |
| -156.4531185 | 1 | < 0.1% |
| -155.97182 | 1 | < 0.1% |
| -149.5683 | 1 | < 0.1% |
| -124.62514 | 8 | < 0.1% |
| -124.3727994 | 3 | < 0.1% |

| Value | Count | Frequency (%) |
|-------------|-------|---------------|
| -70.873801 | 1 | < 0.1% |
| -70.930195 | 1 | < 0.1% |
| -71.2733214 | 1 | < 0.1% |
| -71.2785 | 1 | < 0.1% |
| -71.30025 | 1 | < 0.1% |
| -71.3487326 | 1 | < 0.1% |
| -71.8380592 | 2 | < 0.1% |
| -71.967835 | 1 | < 0.1% |
| -72.1392432 | 1 | < 0.1% |
| -72.27884 | 1 | < 0.1% |

Latitude

Real number ()

| | |
|--------------|-----------|
| Distinct | 835 |
| Distinct (%) | 0.5% |
| Missing | 0 |
| Missing (%) | 0.0% |
| Infinite | 0 |
| Infinite (%) | 0.0% |
| Mean | 47.441833 |
| Minimum | 19.61021 |
| Maximum | 61.323155 |
| Zeros | 0 |
| Zeros (%) | 0.0% |
| Negative | 0 |
| Negative (%) | 0.0% |
| Memory size | 1.3 MiB |



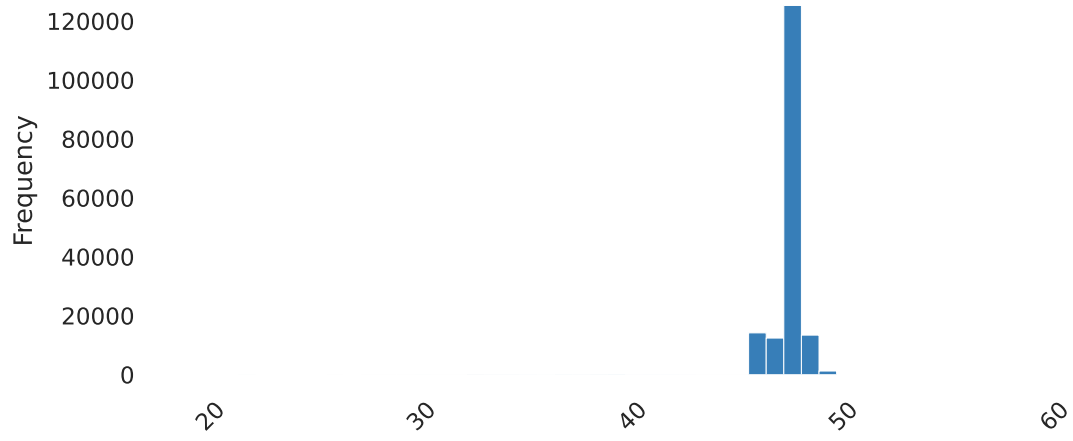
Quantile statistics

| | |
|---------------------------|-----------|
| Minimum | 19.61021 |
| 5-th percentile | 45.703706 |
| Q1 | 47.357985 |
| median | 47.610365 |
| Q3 | 47.71558 |
| 95-th percentile | 48.21928 |
| Maximum | 61.323155 |
| Range | 41.712945 |
| Interquartile range (IQR) | 0.357595 |

Descriptive statistics

| | |
|-------------------------------|-------------|
| Standard deviation | 0.82667522 |
| Coefficient of variation (CV) | 0.017425027 |
| Kurtosis | 165.34532 |

| | |
|--|---------------|
| Mean | 47.441833 |
| Median Absolute Deviation (MAD) | 0.162425 |
| Skewness | -8.5829475 |
| Sum | 7913060.5 |
| Variance | 0.68339192 |
| Monotonicity | Not monotonic |



Histogram with fixed size bins (bins=50)

| Value | Count | Frequency (%) |
|--------------------|--------|---------------|
| 47.67668 | 4257 | 2.6% |
| 47.820245 | 3115 | 1.9% |
| 47.6785 | 2840 | 1.7% |
| 47.571015 | 2663 | 1.6% |
| 47.61385 | 2652 | 1.6% |
| 47.67949 | 2553 | 1.5% |
| 47.6285782 | 2341 | 1.4% |
| 47.75855 | 2312 | 1.4% |
| 47.43473 | 2286 | 1.4% |
| 47.71124 | 2237 | 1.3% |
| Other values (825) | 139539 | 83.7% |

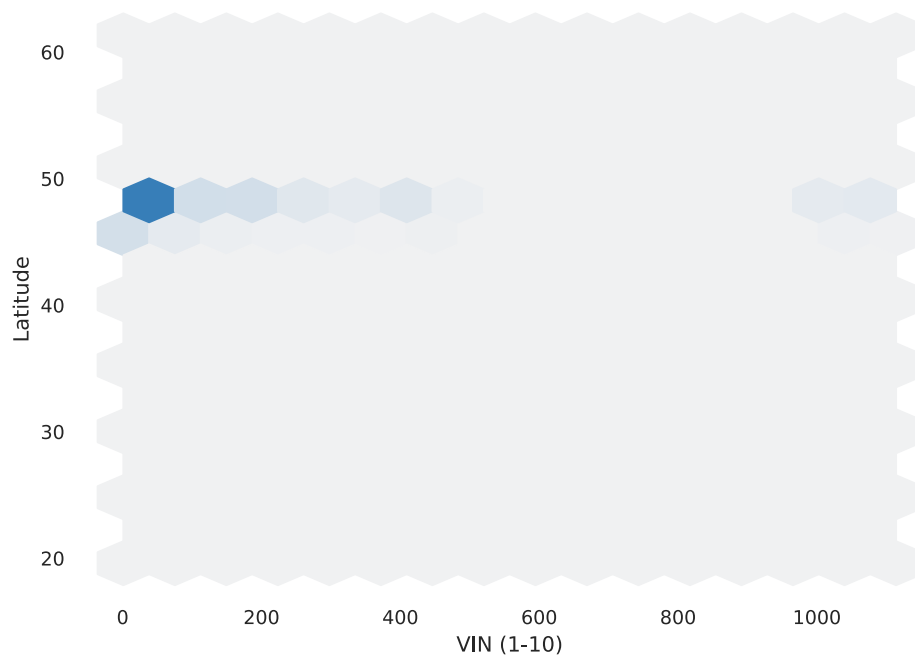
| Value | Count | Frequency (%) |
|------------|-------|---------------|
| 19.61021 | 1 | < 0.1% |
| 20.7761437 | 1 | < 0.1% |
| 21.33516 | 1 | < 0.1% |
| 21.343675 | 3 | < 0.1% |
| 21.39805 | 1 | < 0.1% |
| 21.455635 | 1 | < 0.1% |
| 21.969958 | 1 | < 0.1% |
| 25.765985 | 1 | < 0.1% |
| 26.257025 | 1 | < 0.1% |
| 26.6734075 | 1 | < 0.1% |

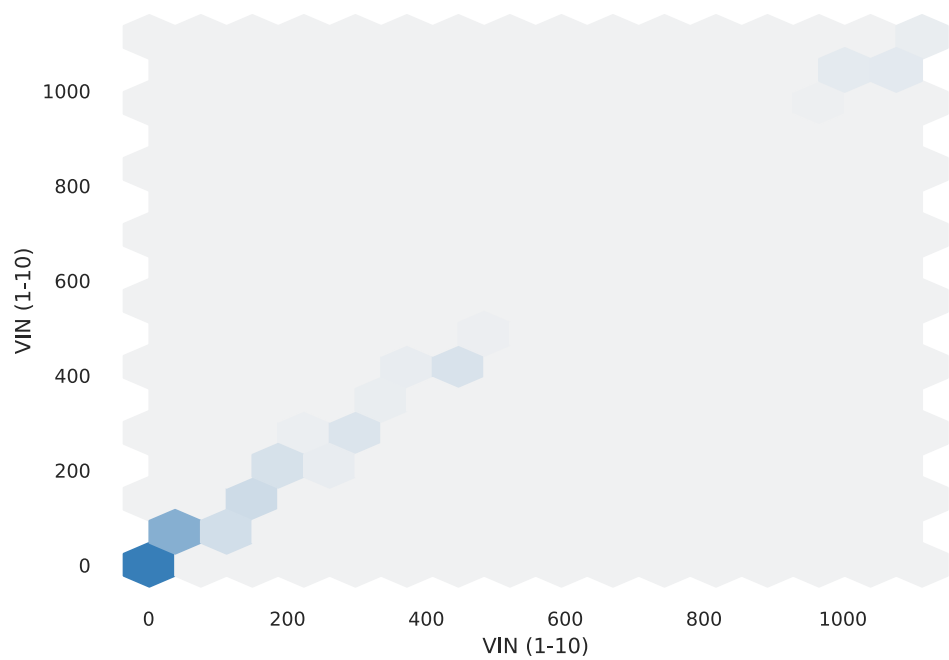
| Value | Count | Frequency (%) |
|------------|-------|---------------|
| 61.323155 | 1 | < 0.1% |
| 48.99634 | 12 | < 0.1% |
| 48.99505 | 380 | 0.2% |
| 48.9895316 | 1 | < 0.1% |
| 48.98823 | 53 | < 0.1% |
| 48.9492931 | 28 | < 0.1% |
| 48.9461196 | 217 | 0.1% |
| 48.935165 | 16 | < 0.1% |
| 48.927085 | 8 | < 0.1% |
| 48.919121 | 25 | < 0.1% |

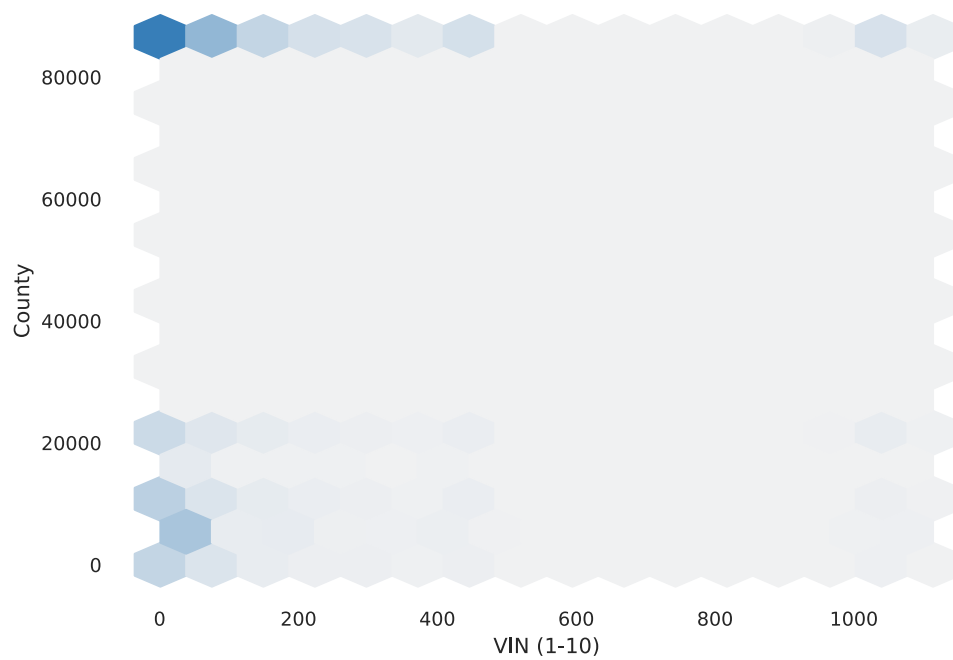
Interactions

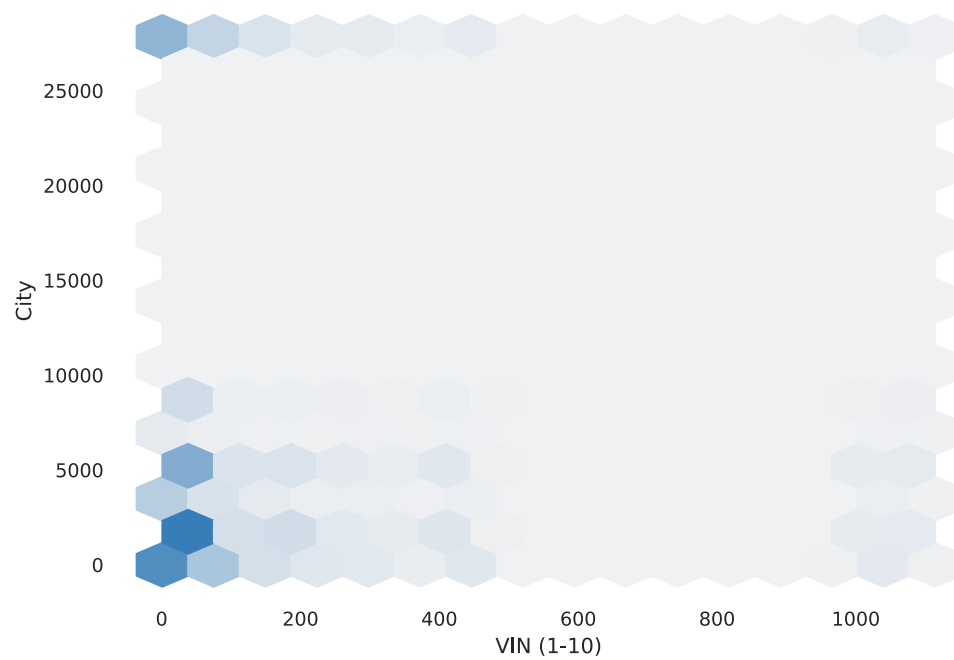
VIN (1-10)
County
City
State
Postal Code
Model Year
Make
Model
Electric Range
Base MSRP
Legislative District
DOL Vehicle ID
Electric Utility
2020 Census Tract
Longitude
Latitude

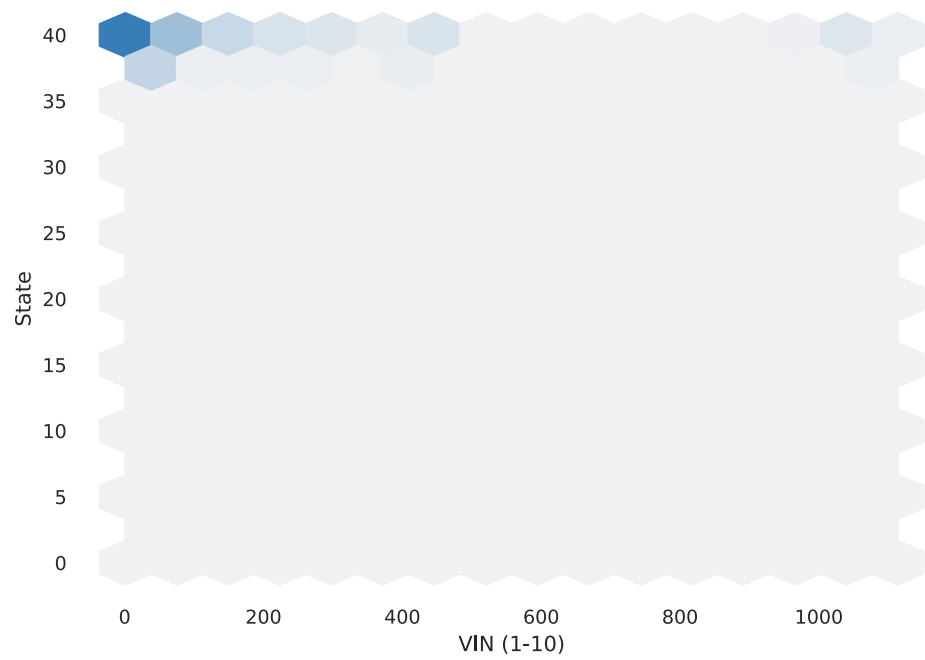
Latitude
VIN (1-10)
County
City
State
Postal Code
Model Year
Make
Model
Electric Range
Base MSRP
Legislative District
DOL Vehicle ID
Electric Utility
2020 Census Tract
Longitude

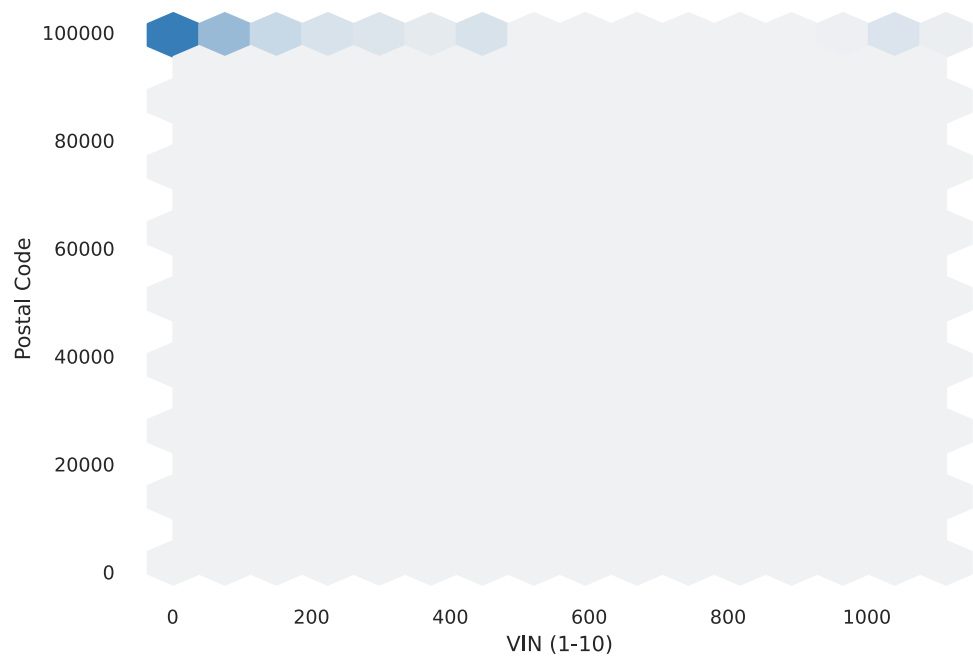


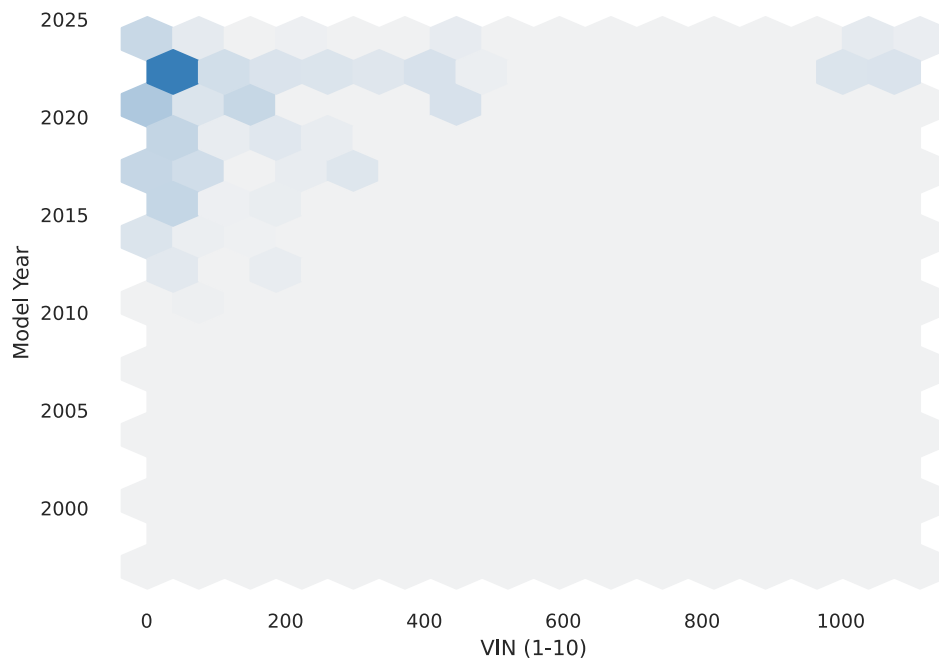


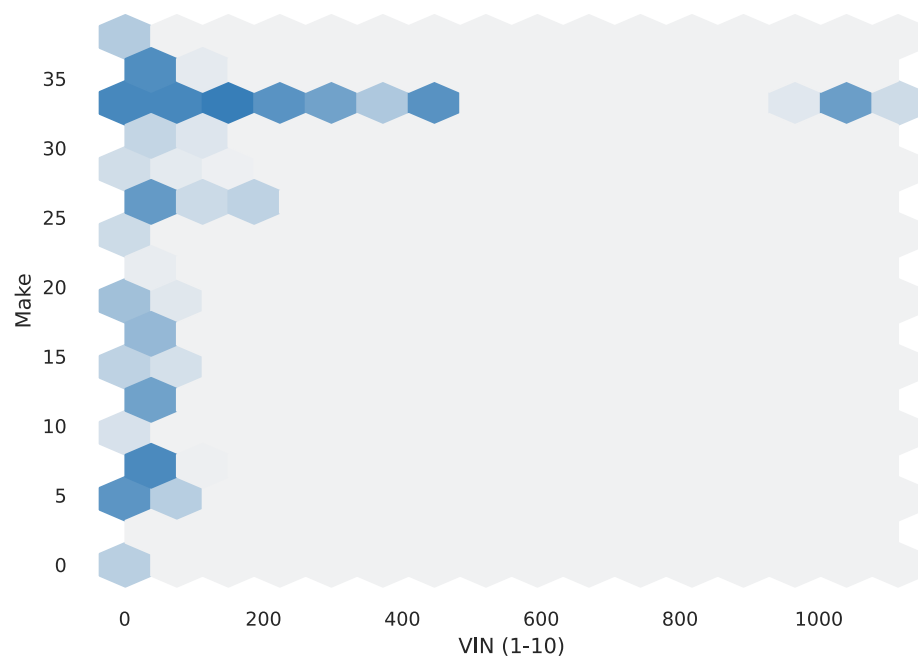


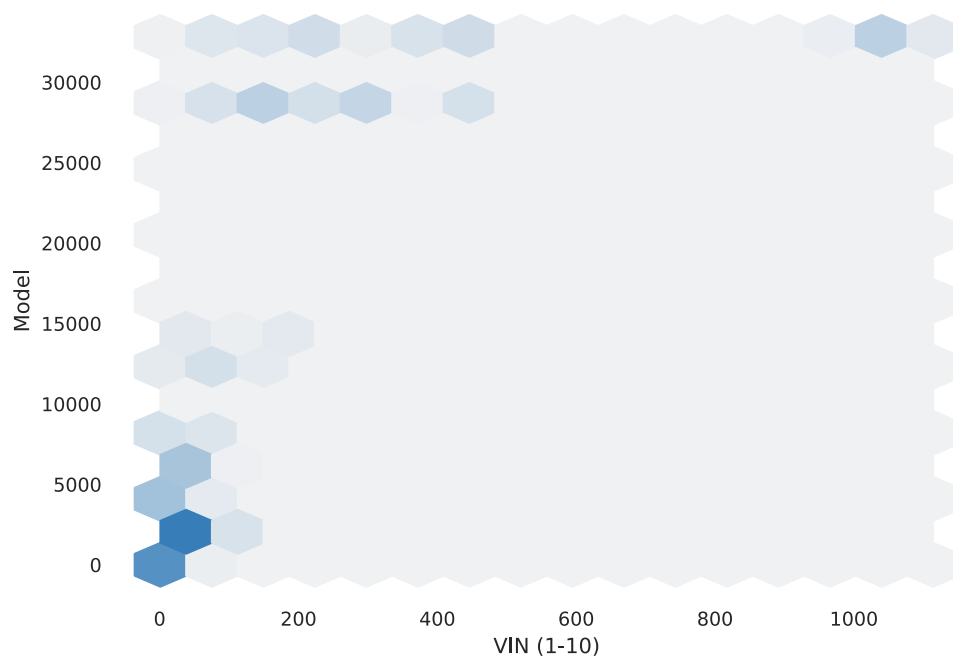


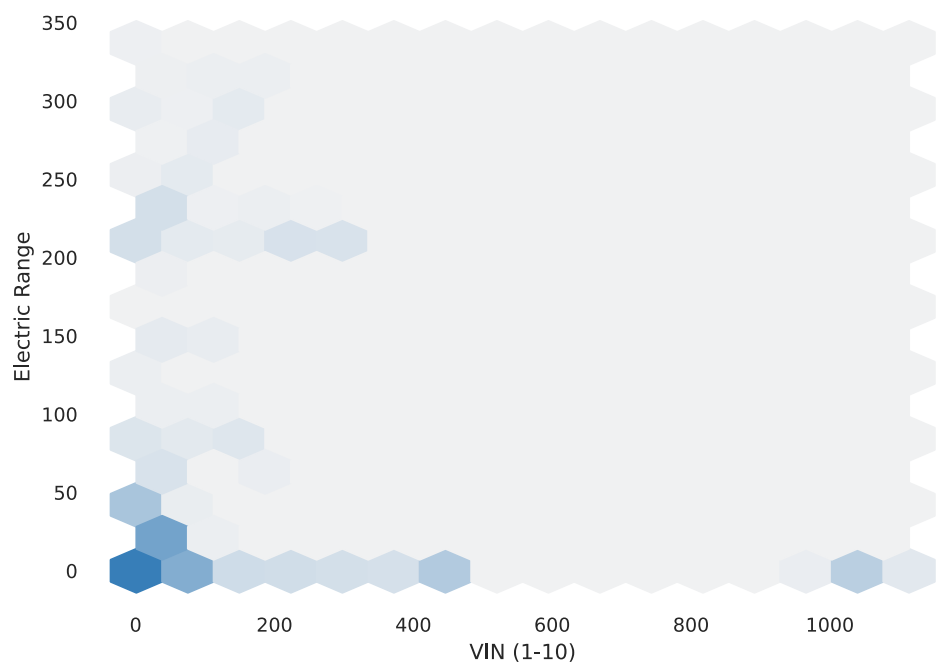


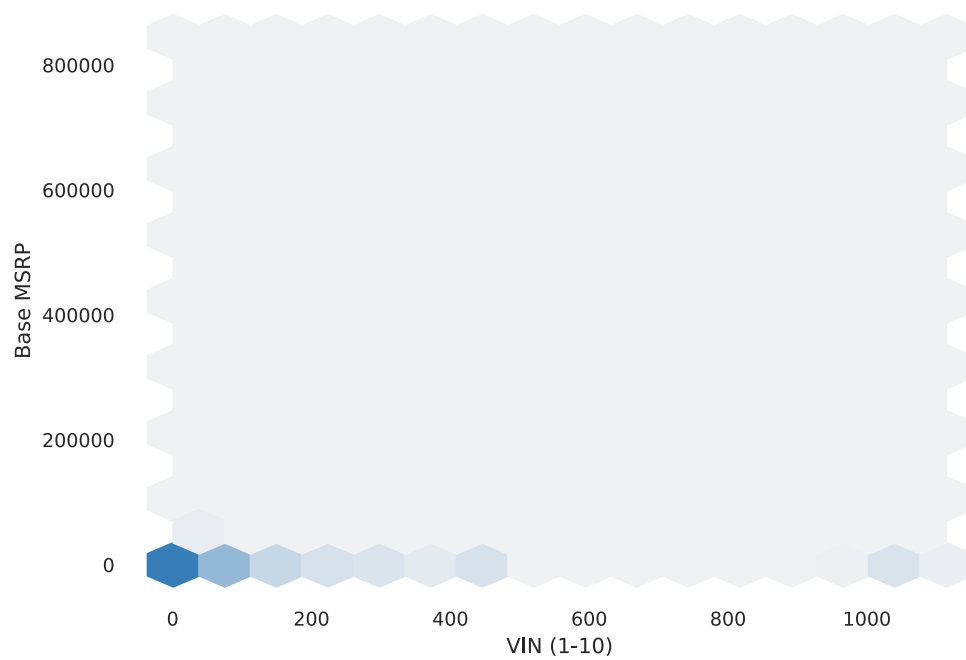


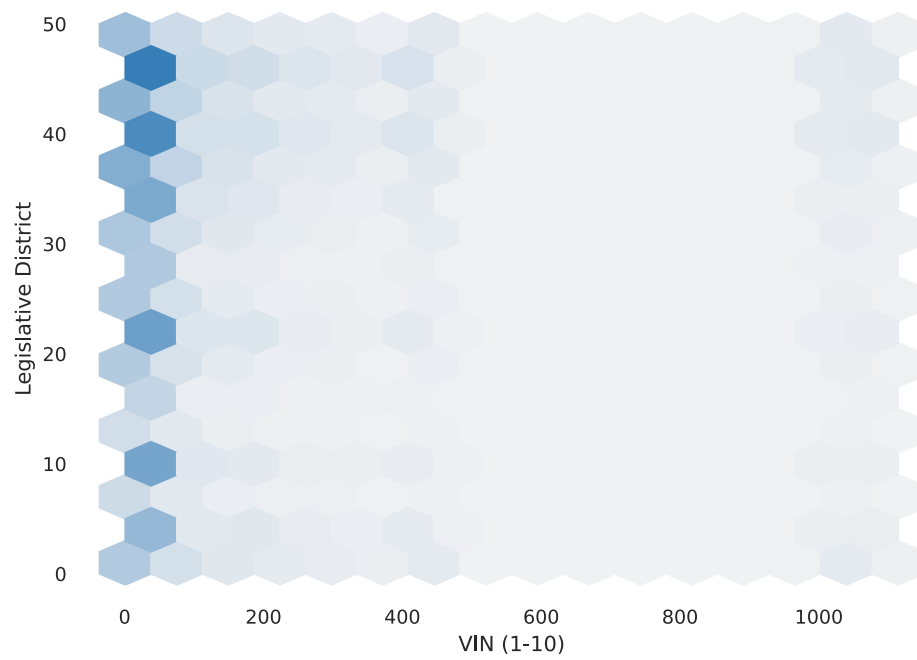


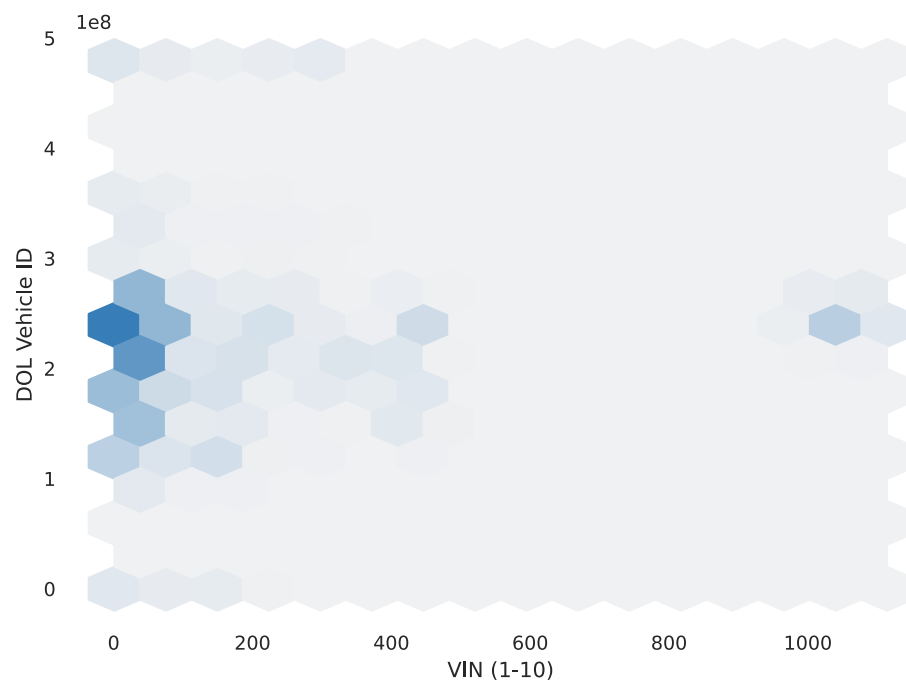


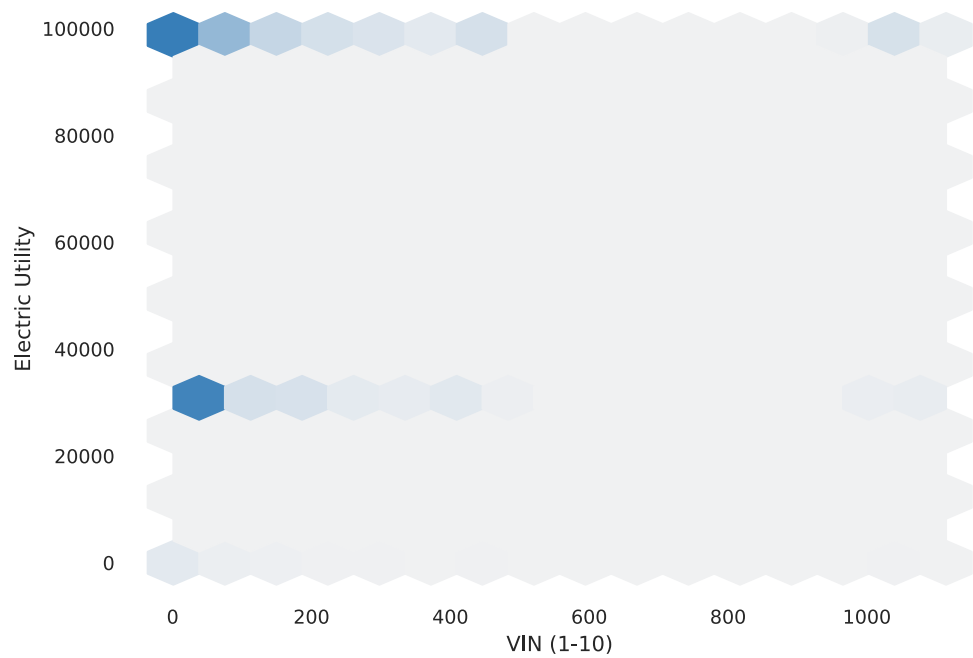


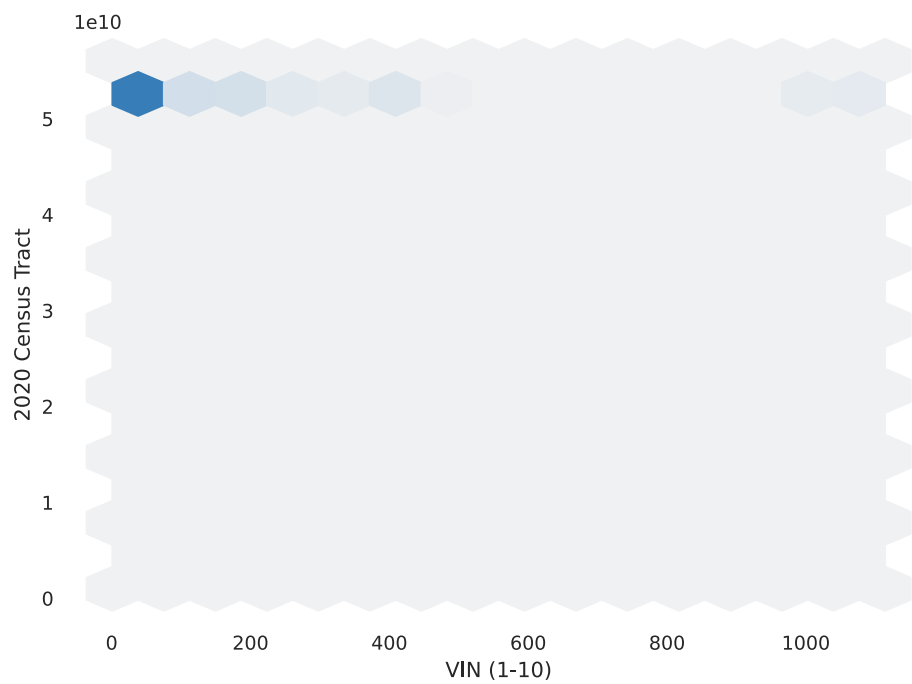


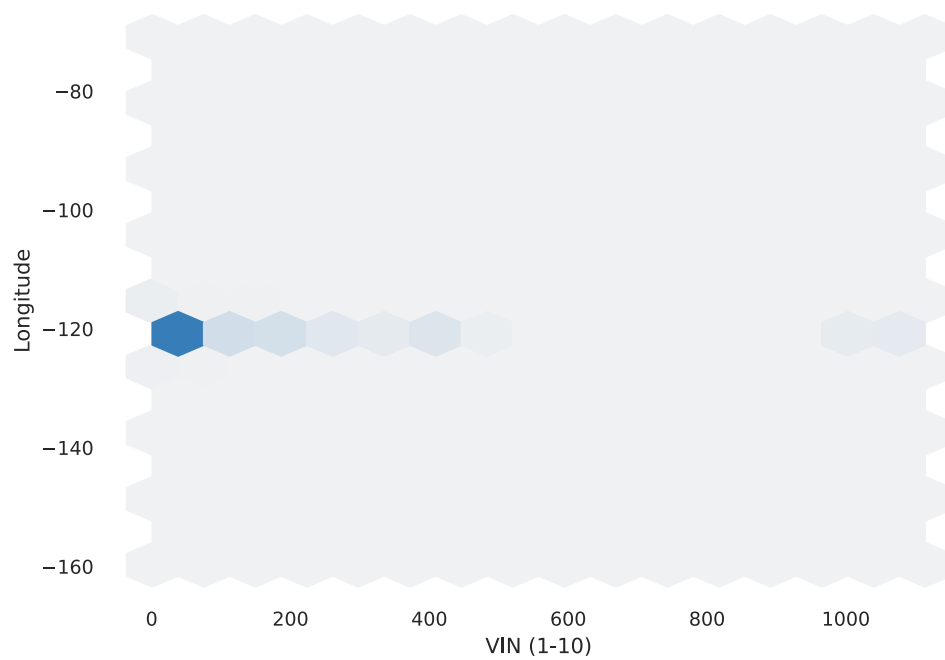




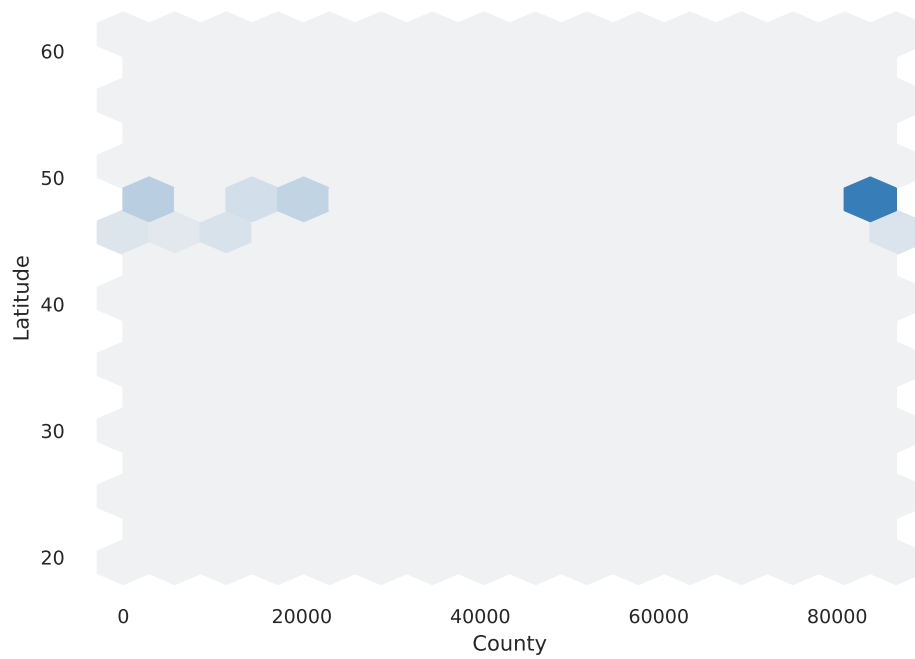


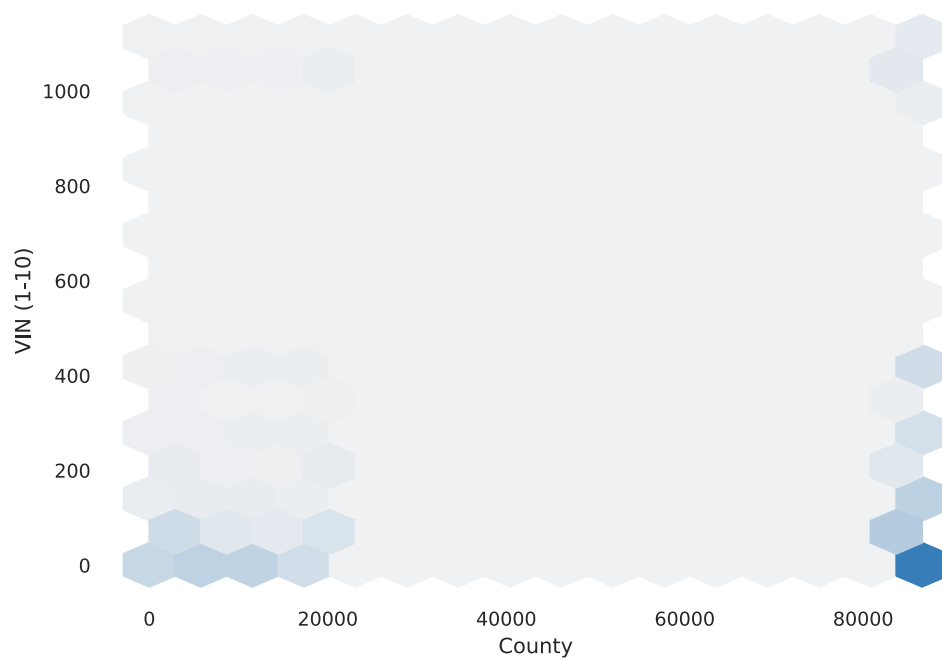


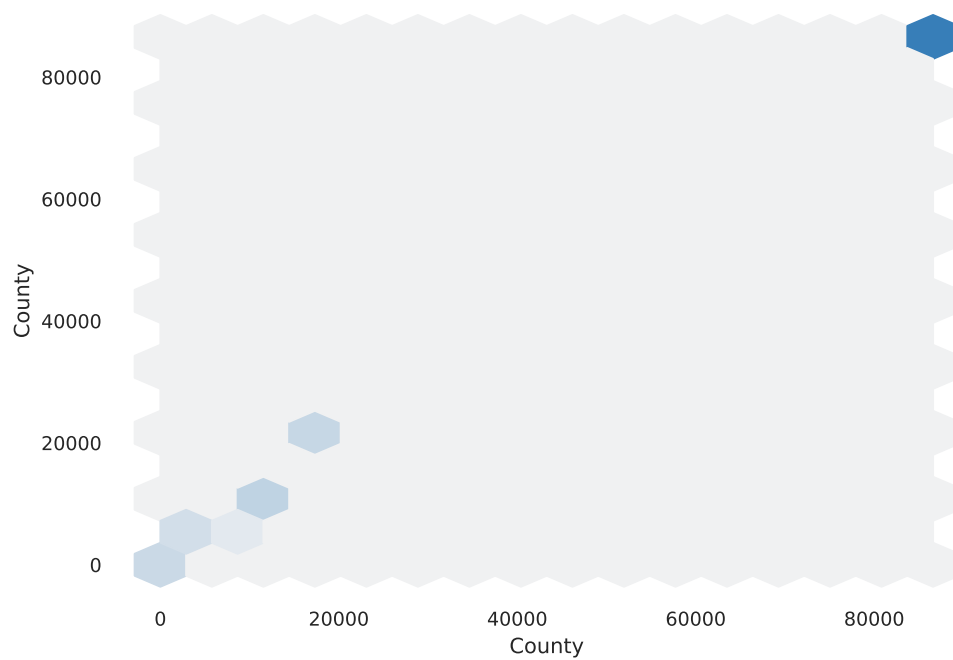


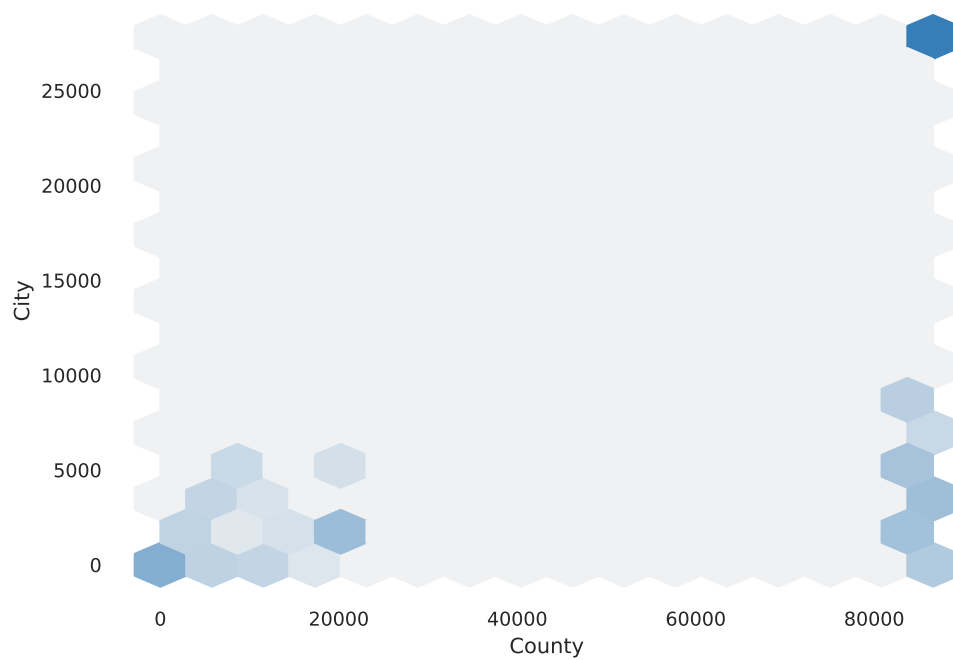


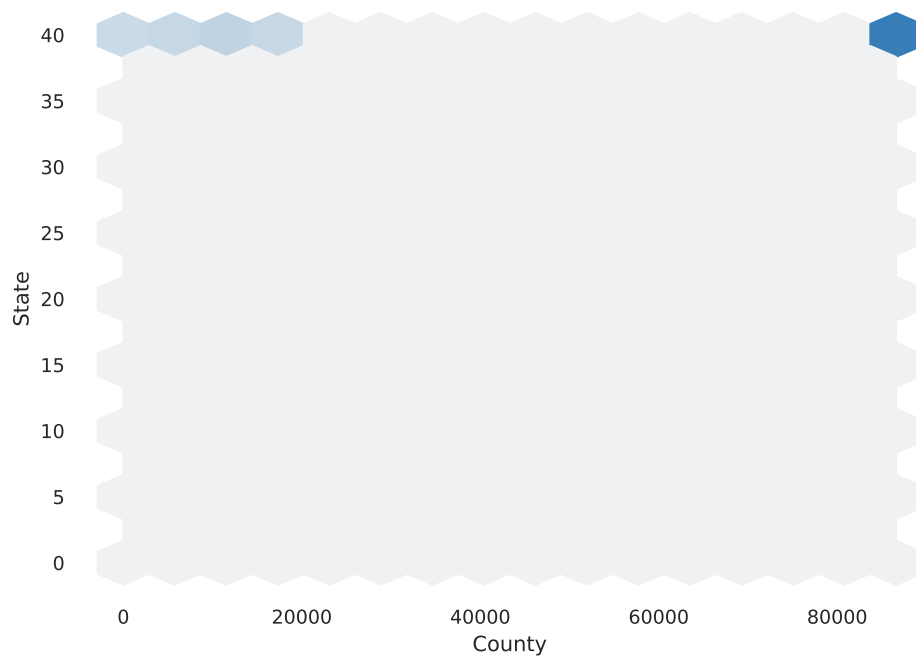
Latitude
VIN (1-10)
County
City
State
Postal Code
Model Year
Make
Model
Electric Range
Base MSRP
Legislative District
DOL Vehicle ID
Electric Utility
2020 Census Tract
Longitude

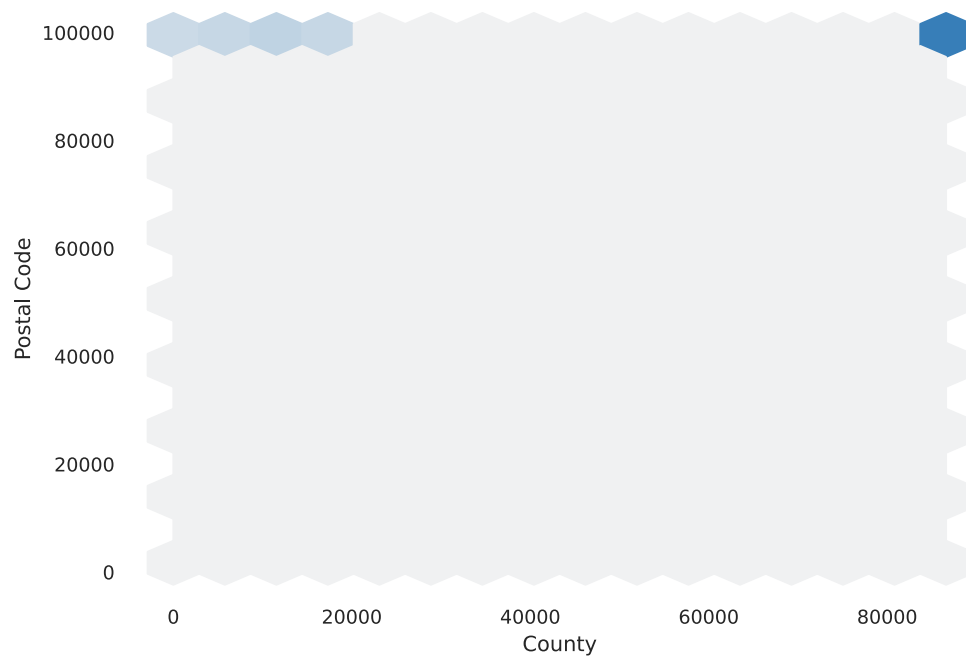


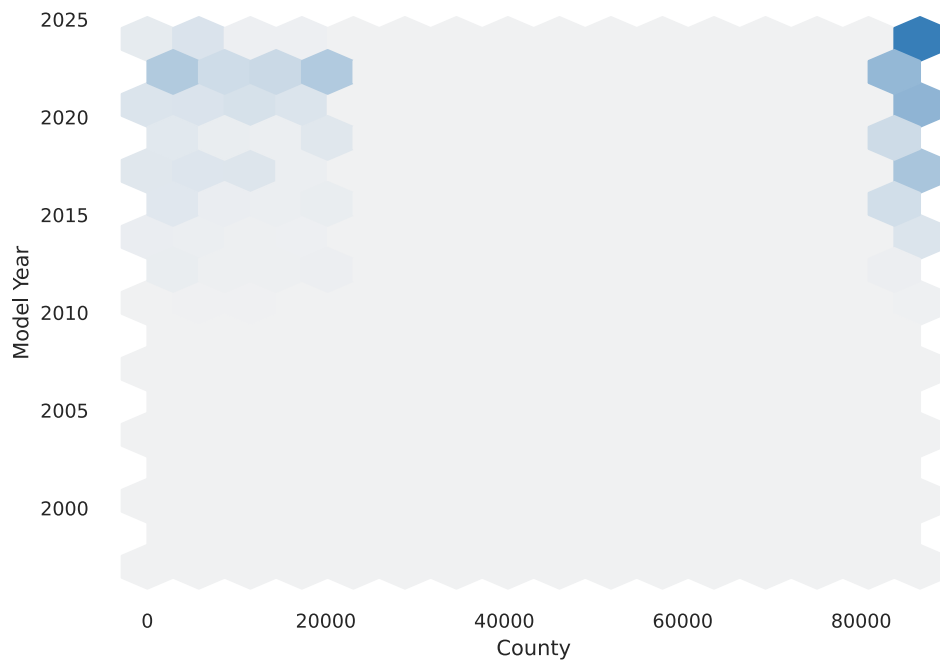


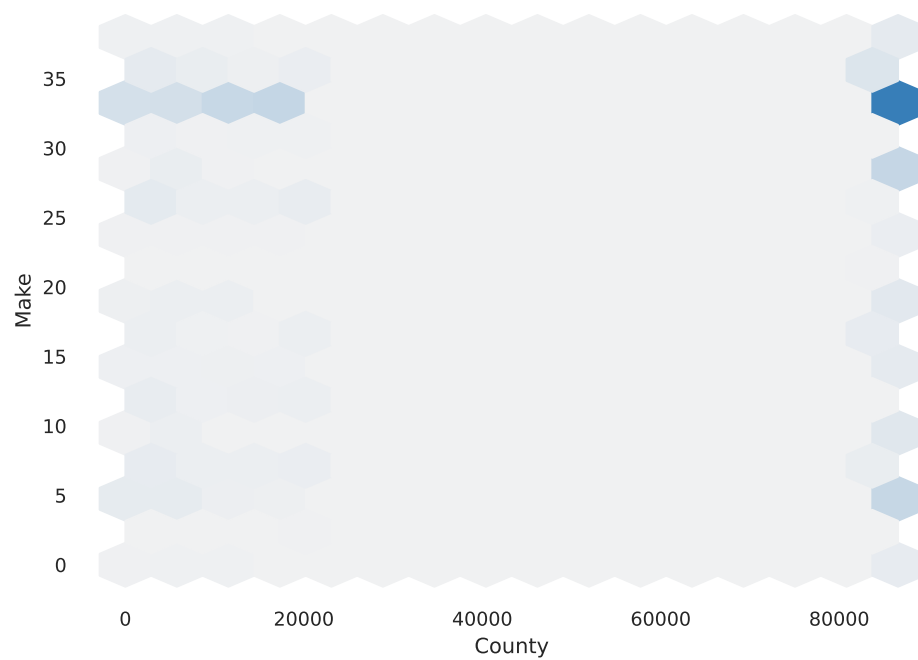


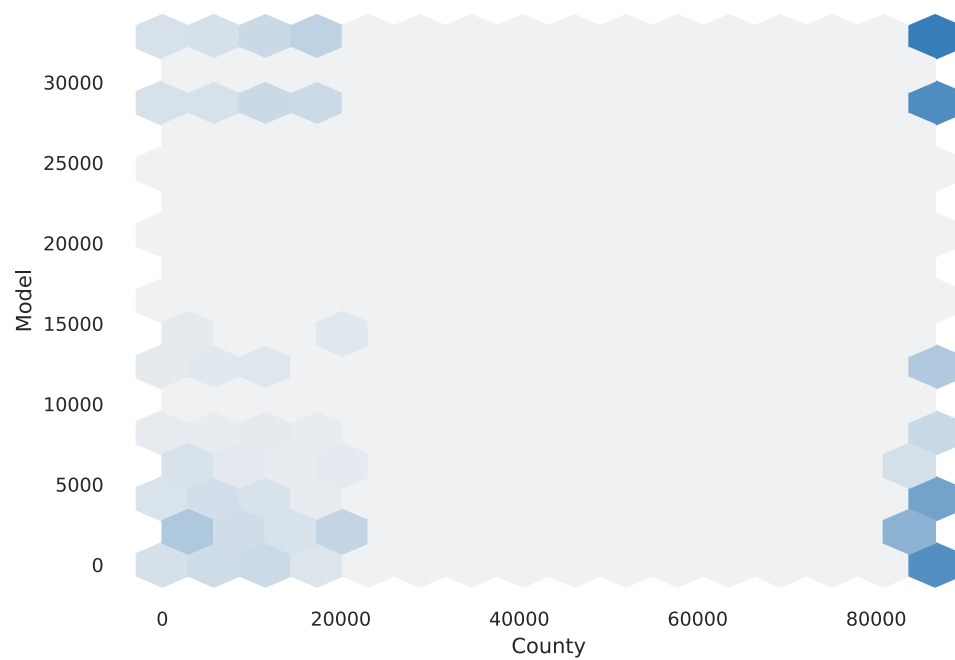


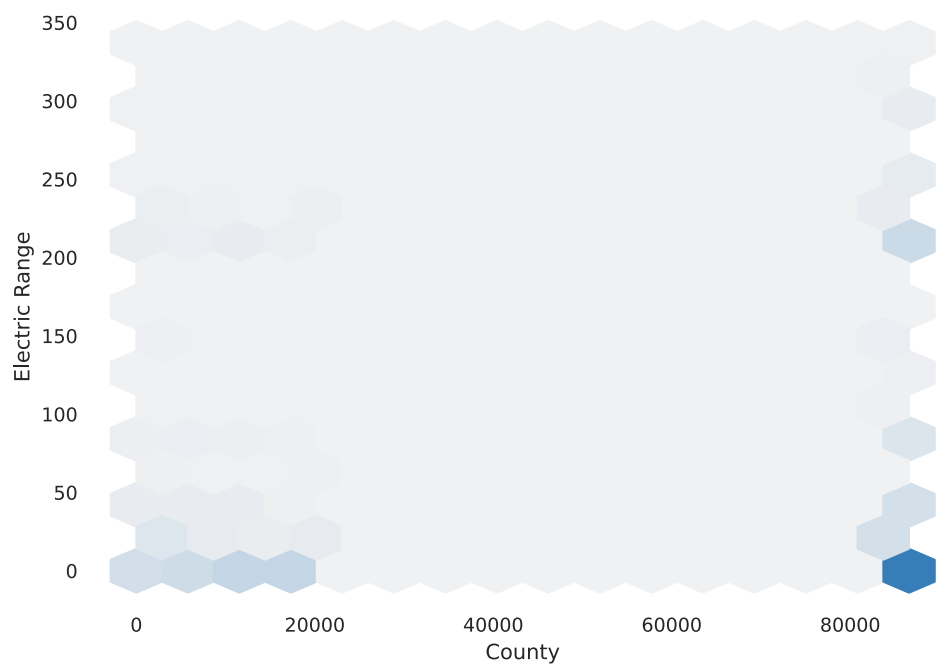


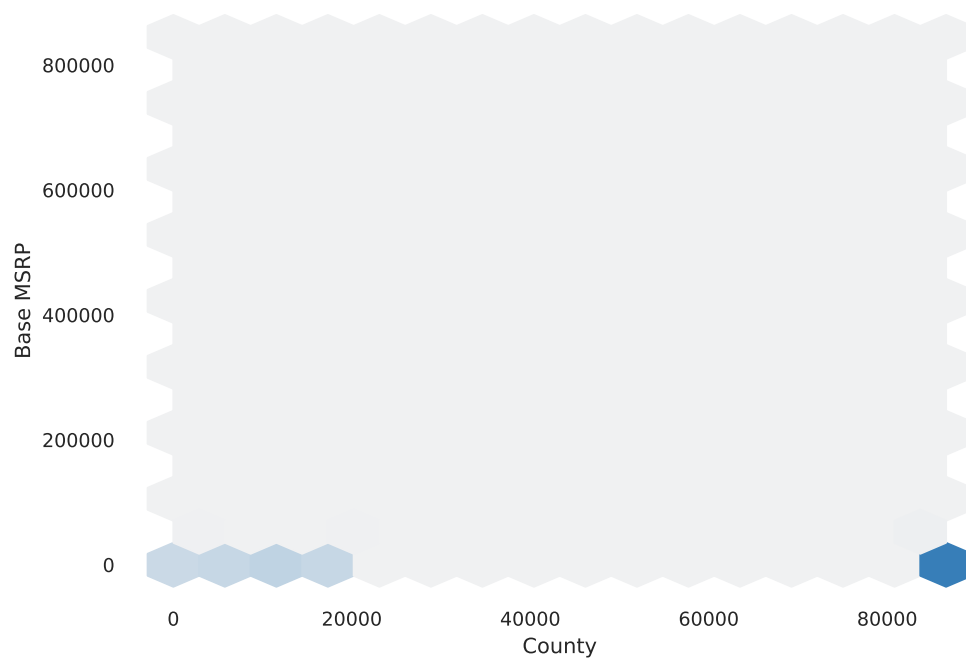


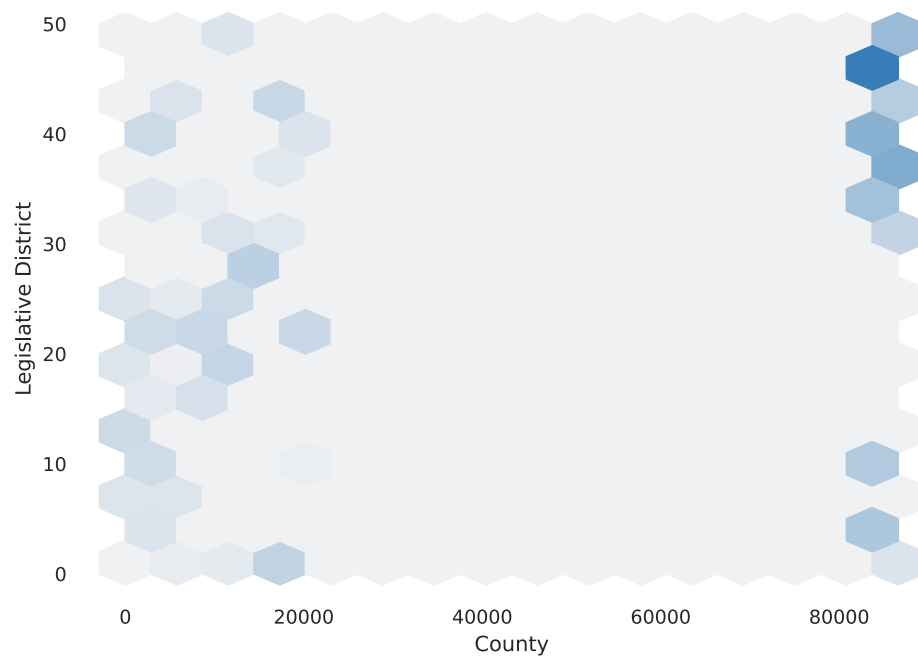


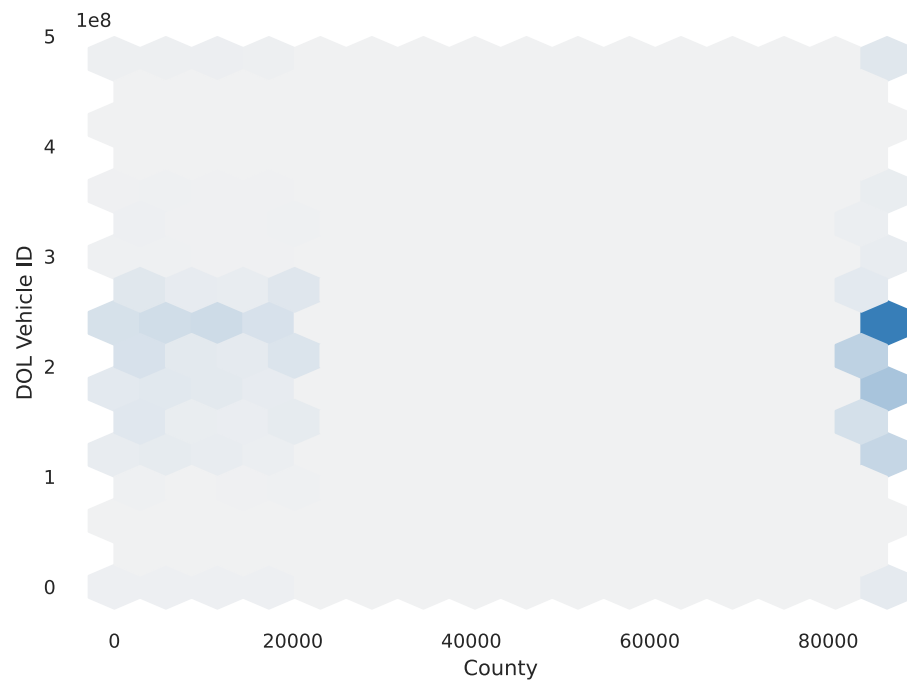


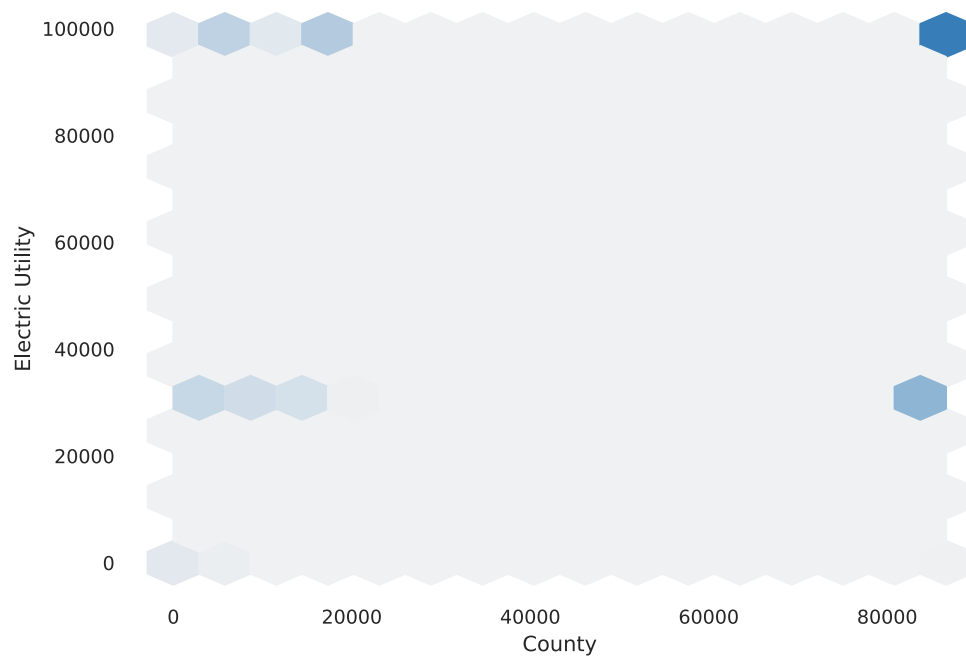


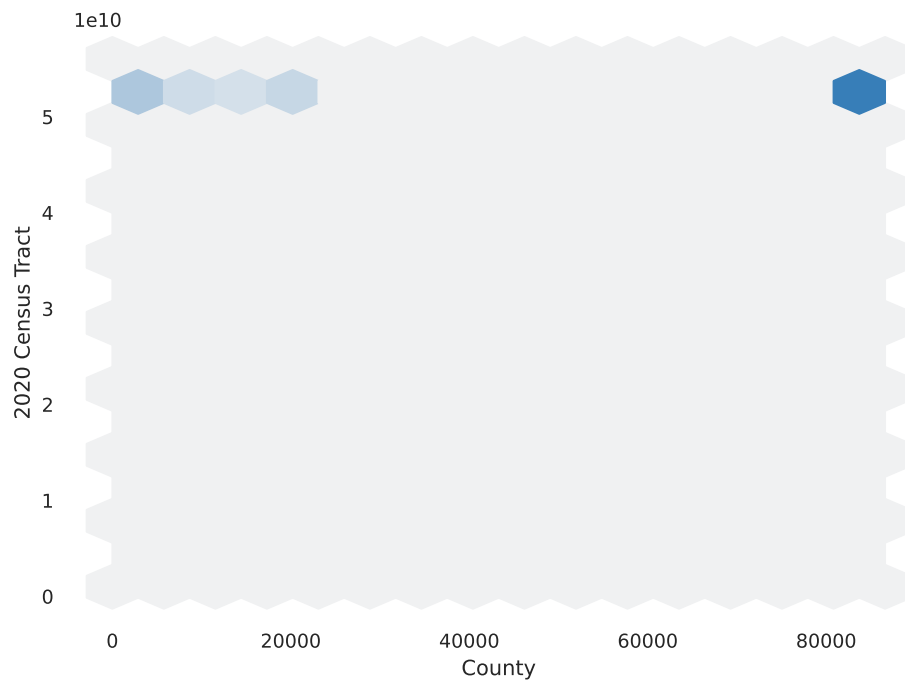


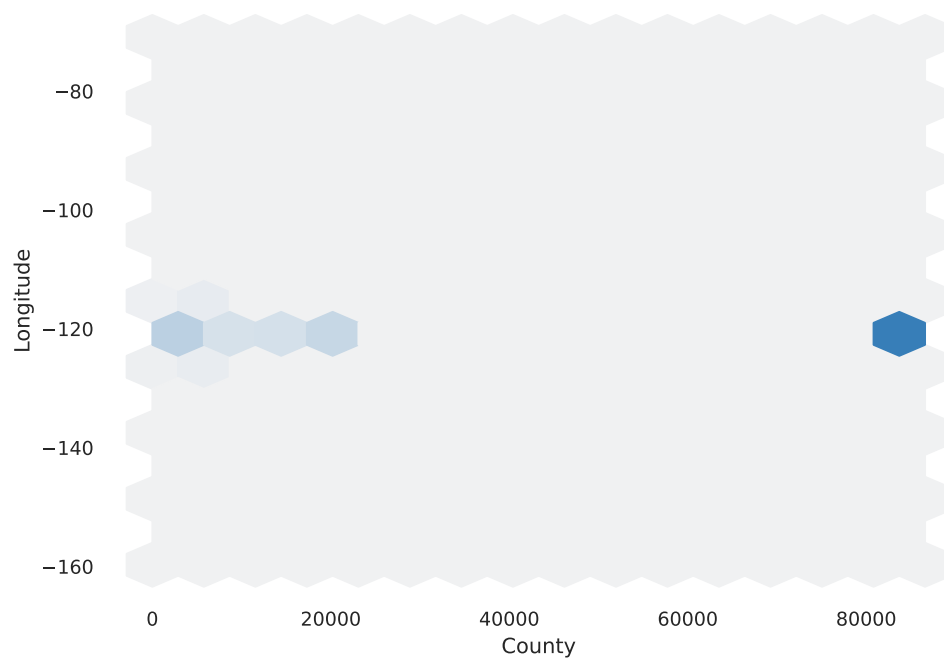




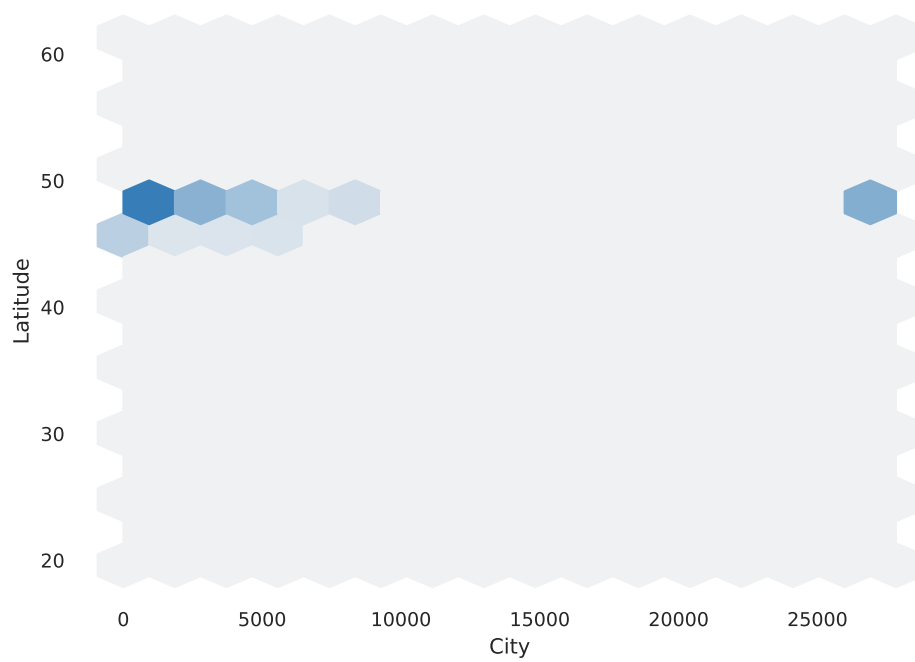


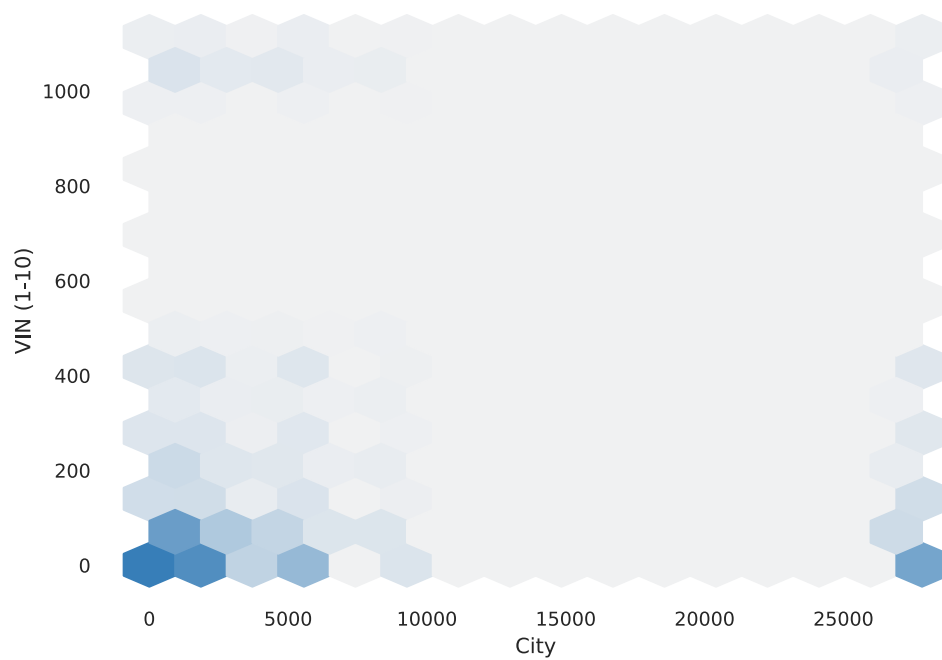


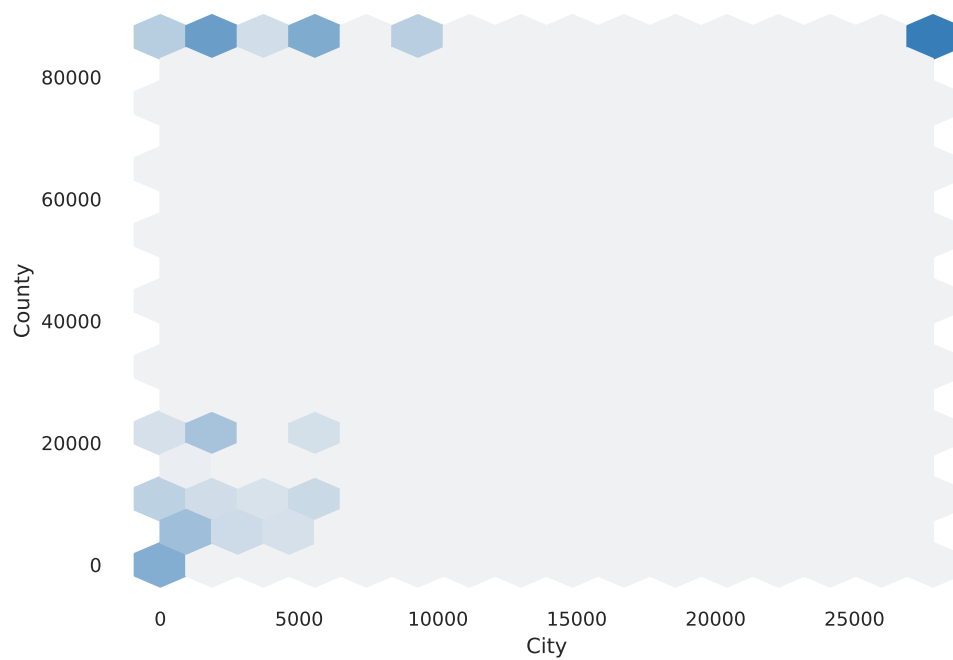


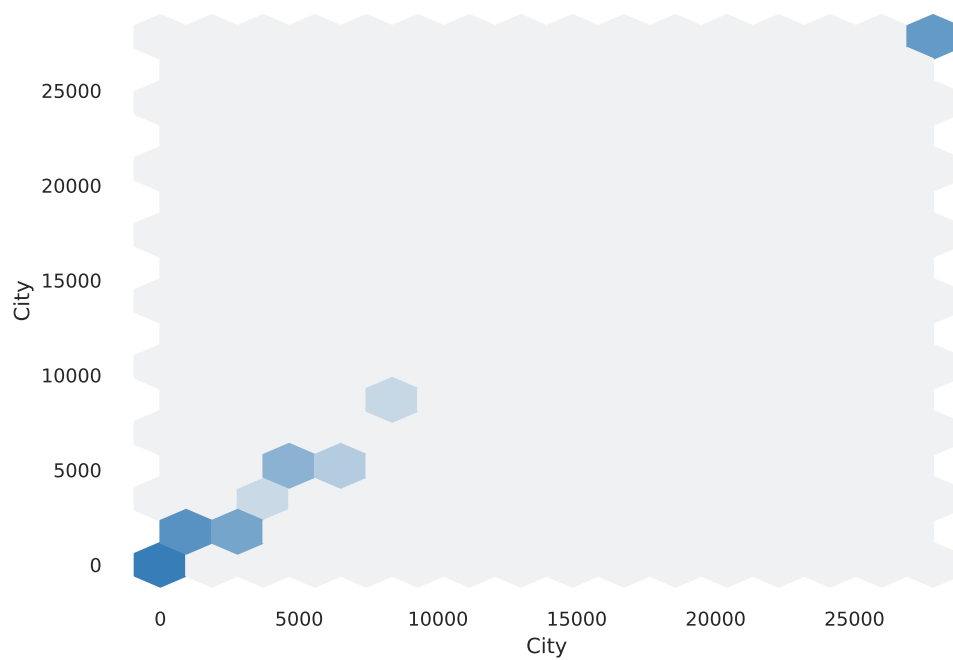


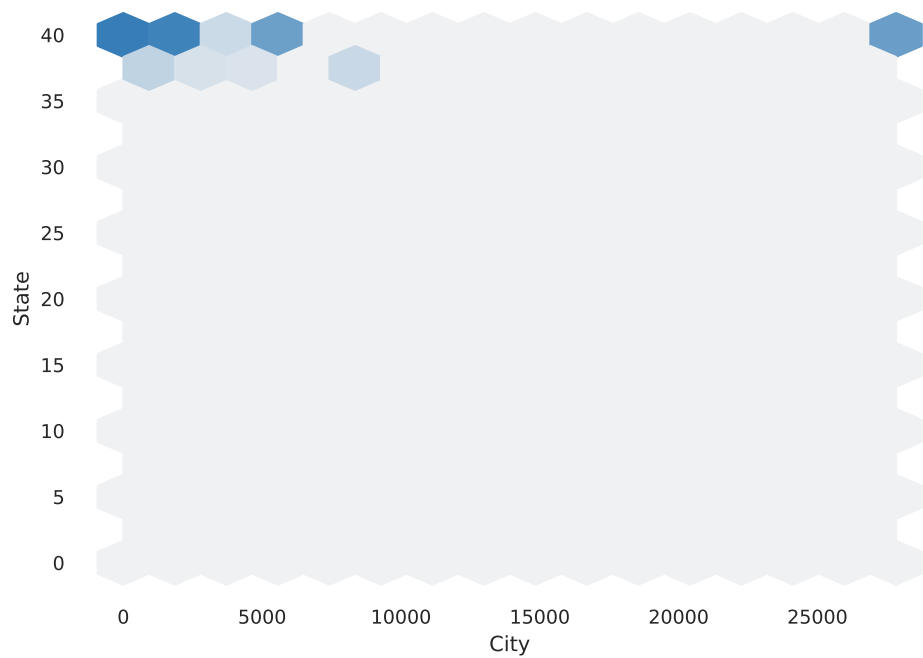
Latitude
VIN (1-10)
County
City
State
Postal Code
Model Year
Make
Model
Electric Range
Base MSRP
Legislative District
DOL Vehicle ID
Electric Utility
2020 Census Tract
Longitude

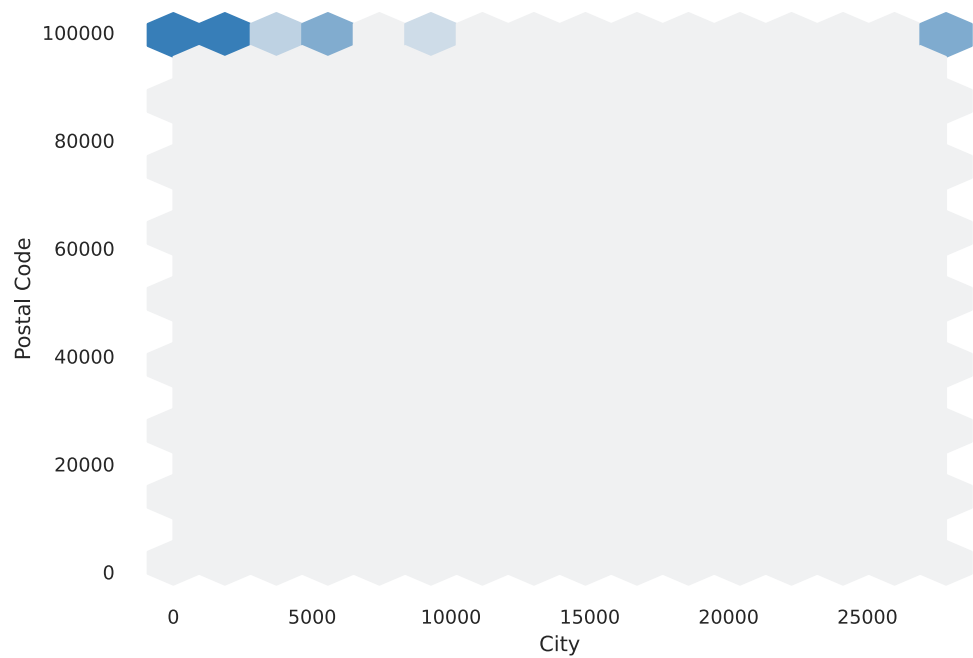


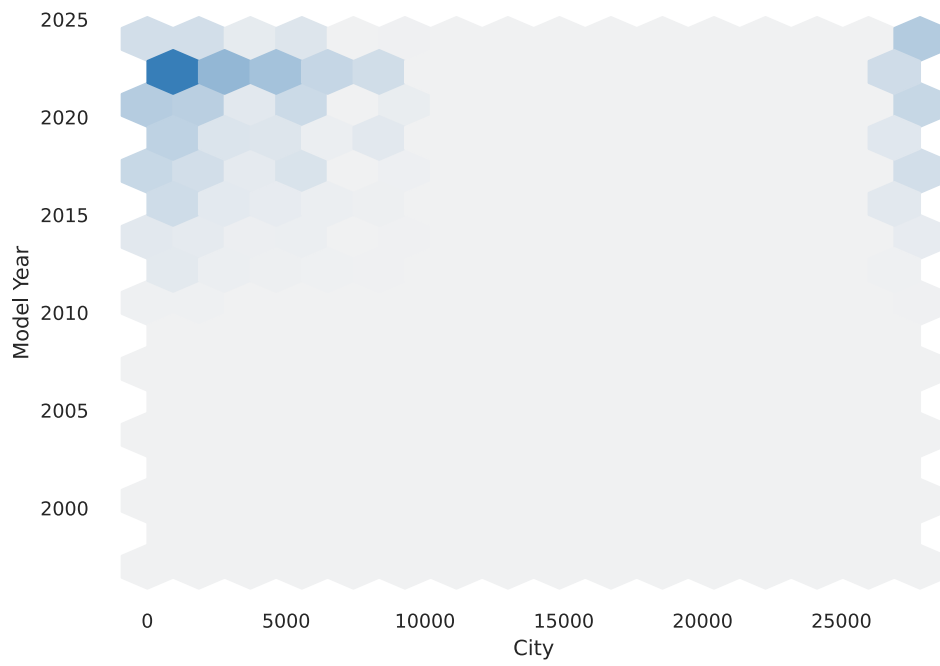


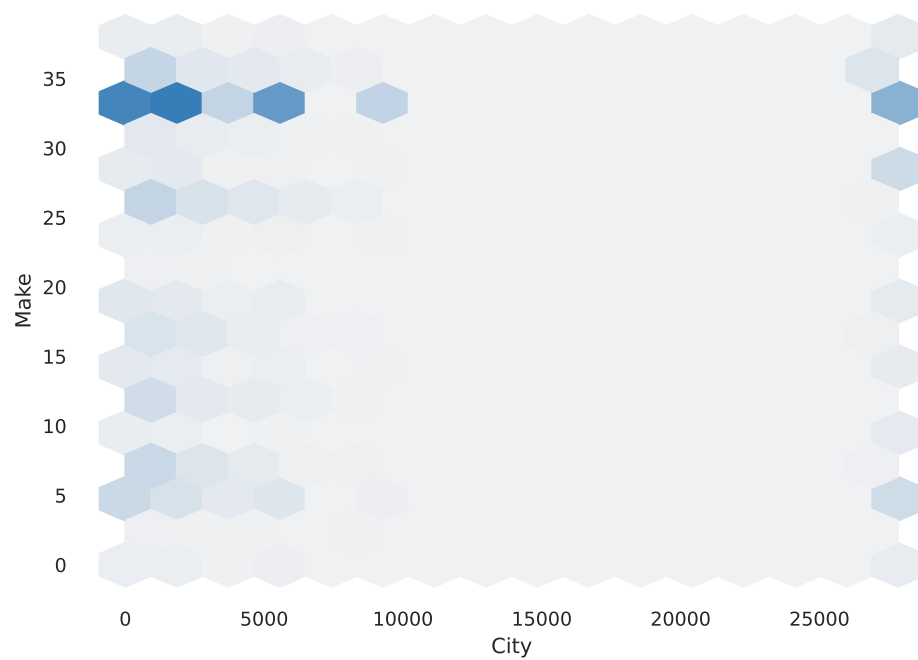


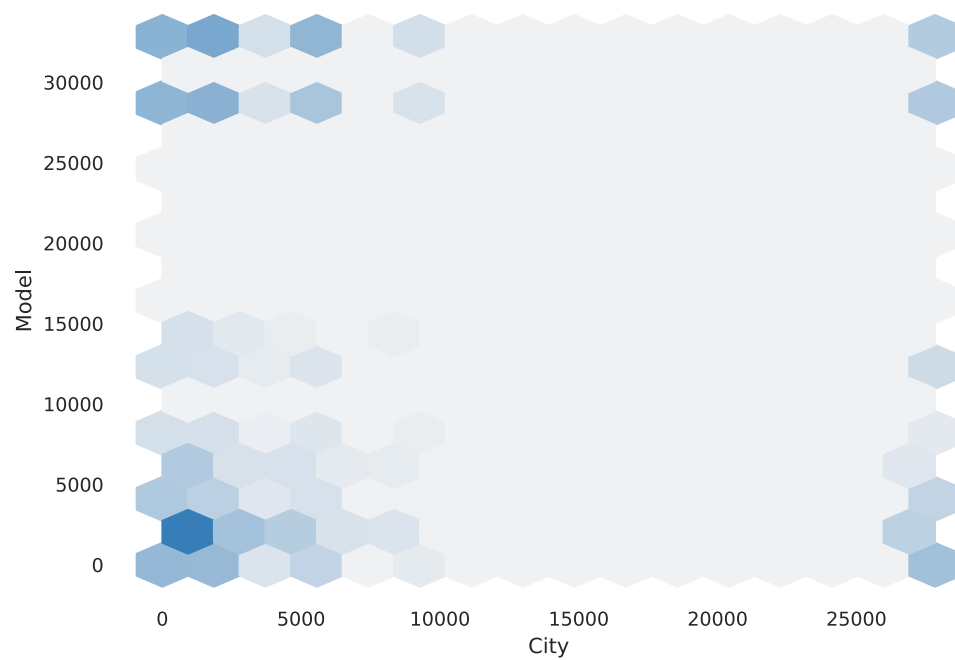


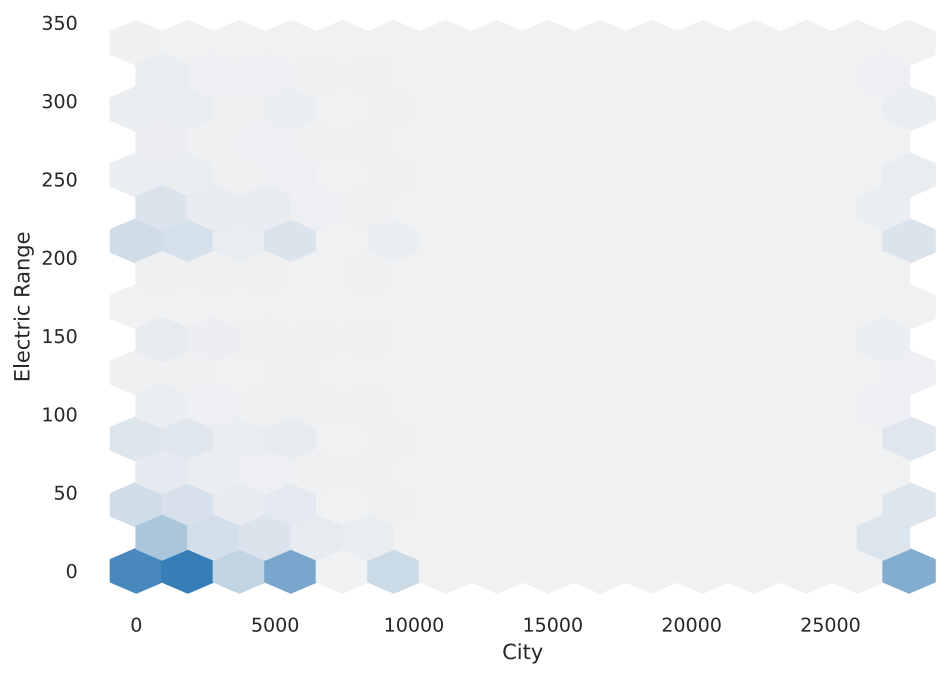


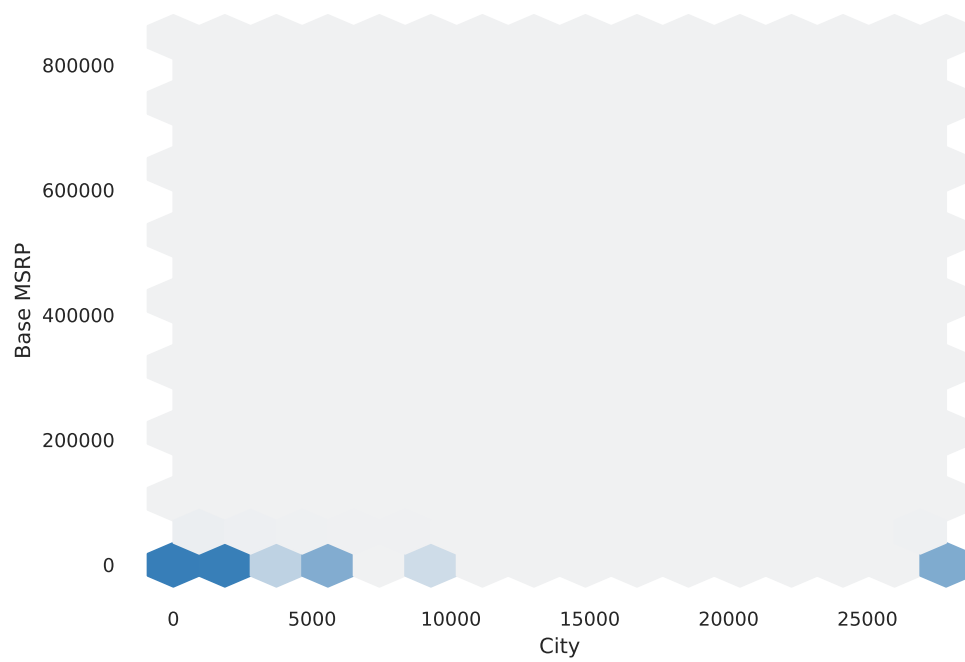


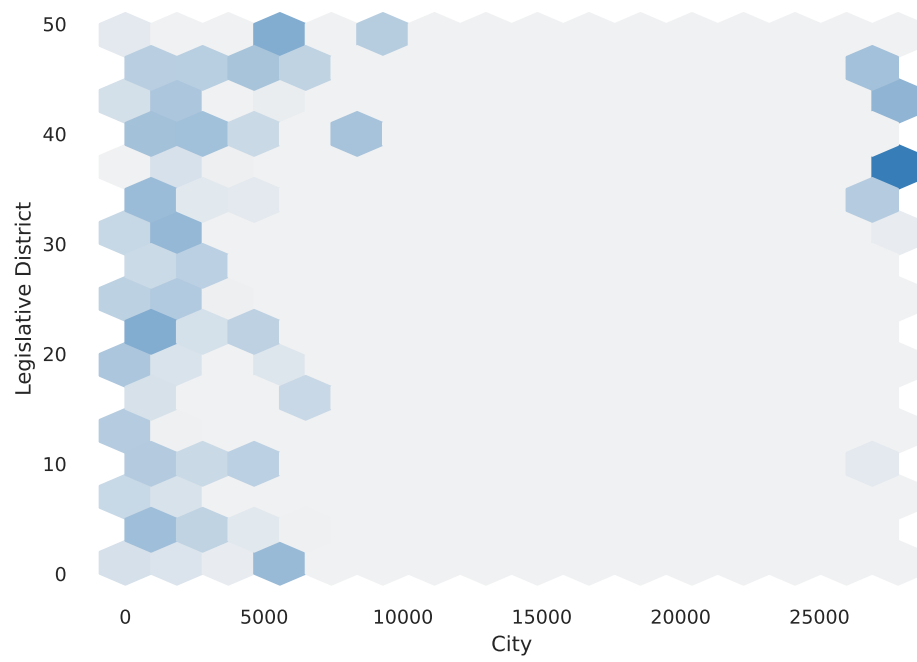


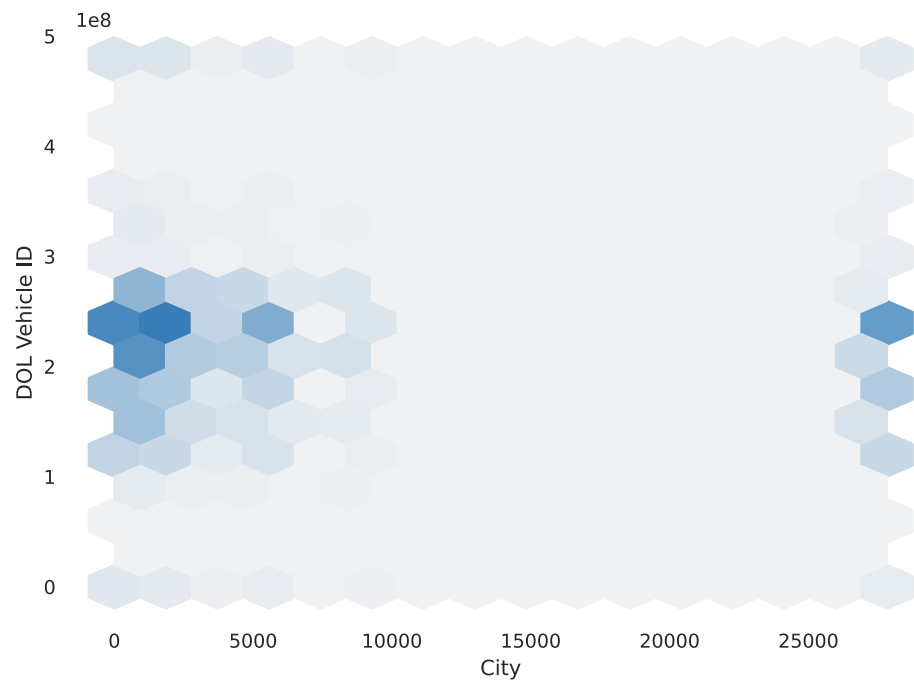


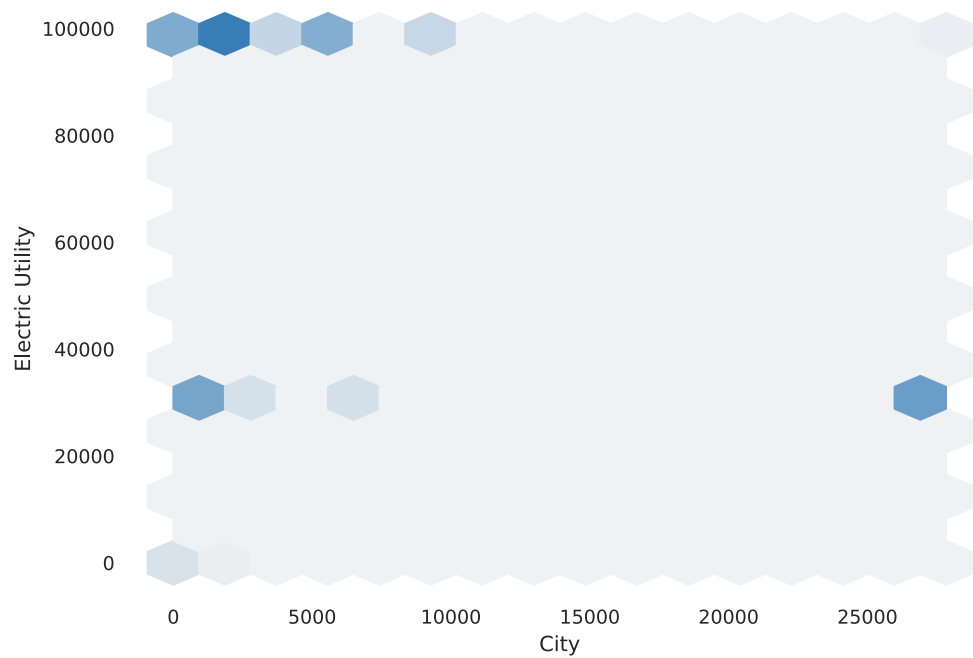


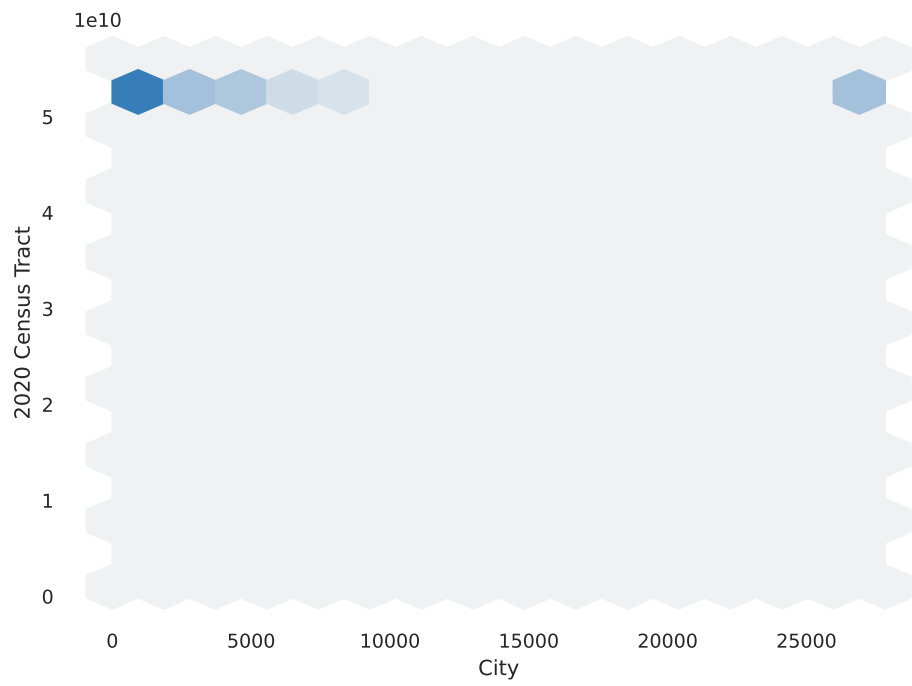


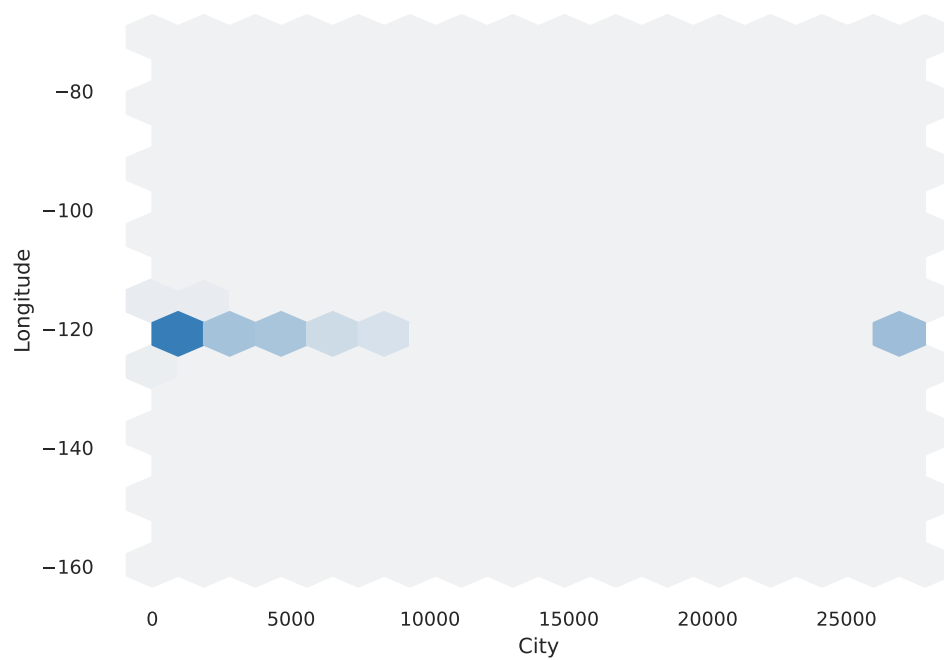




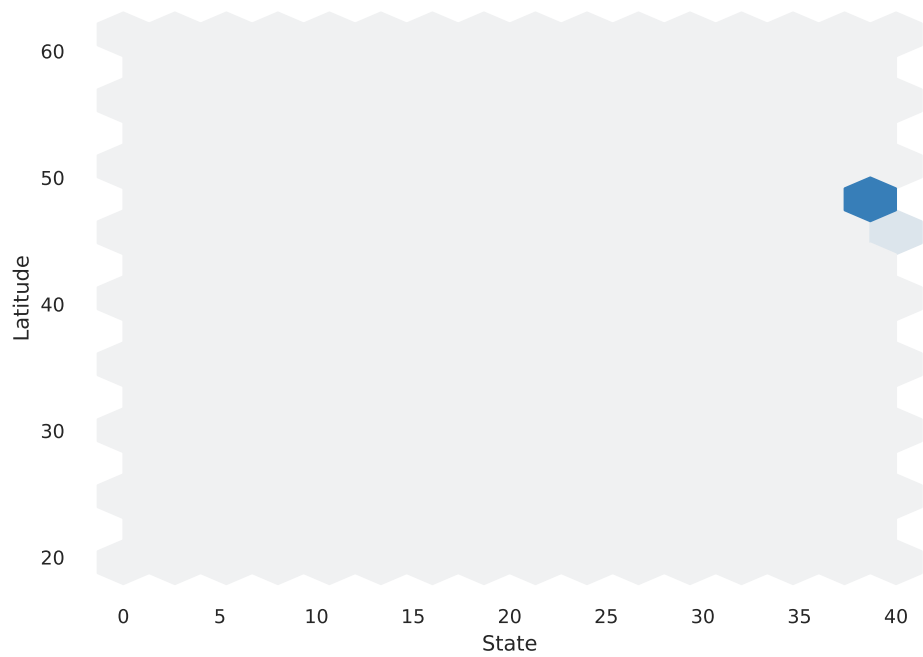


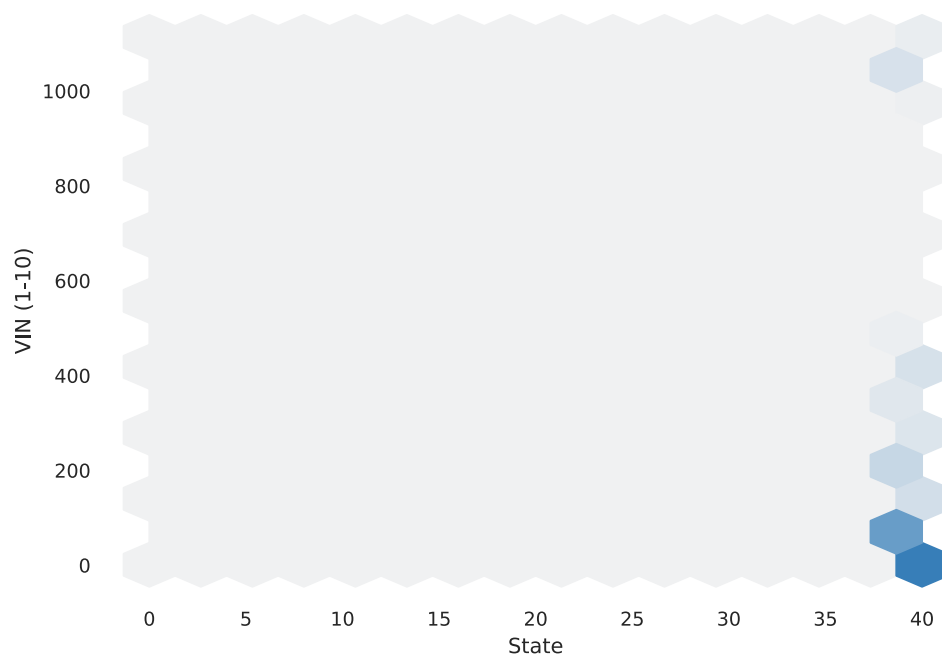


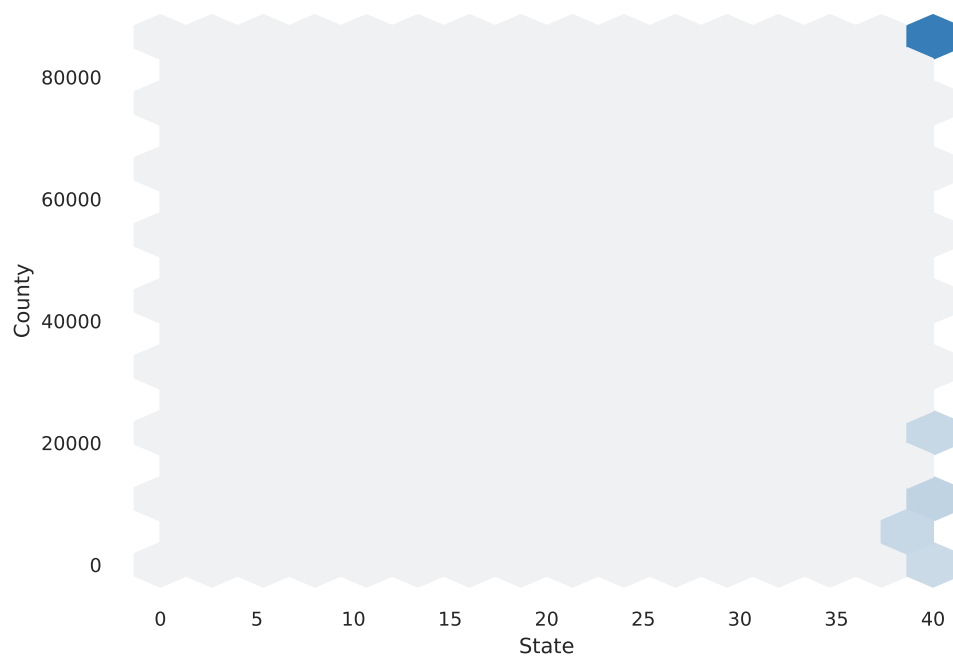


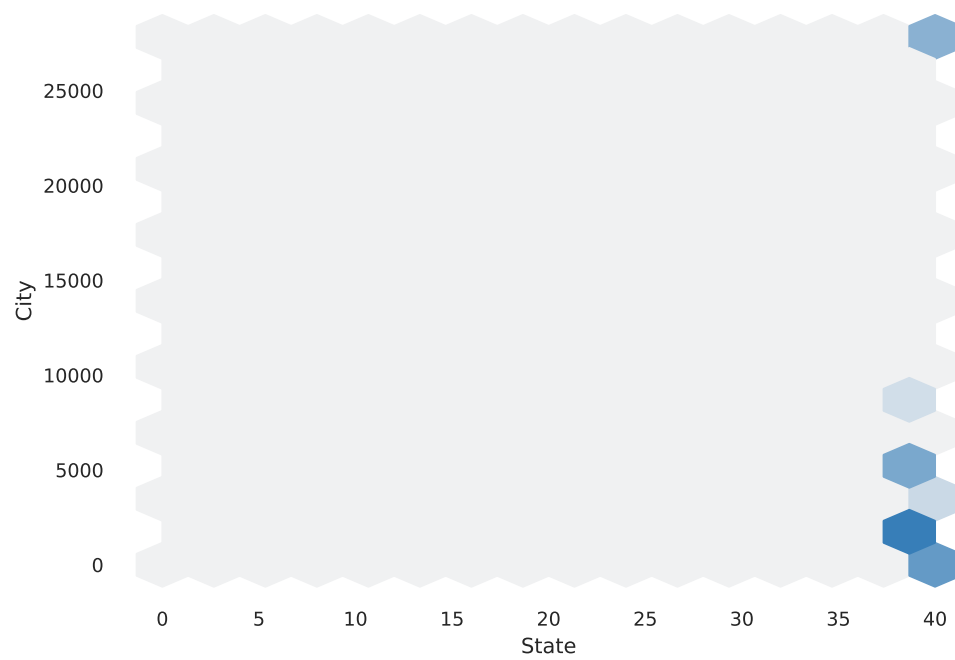


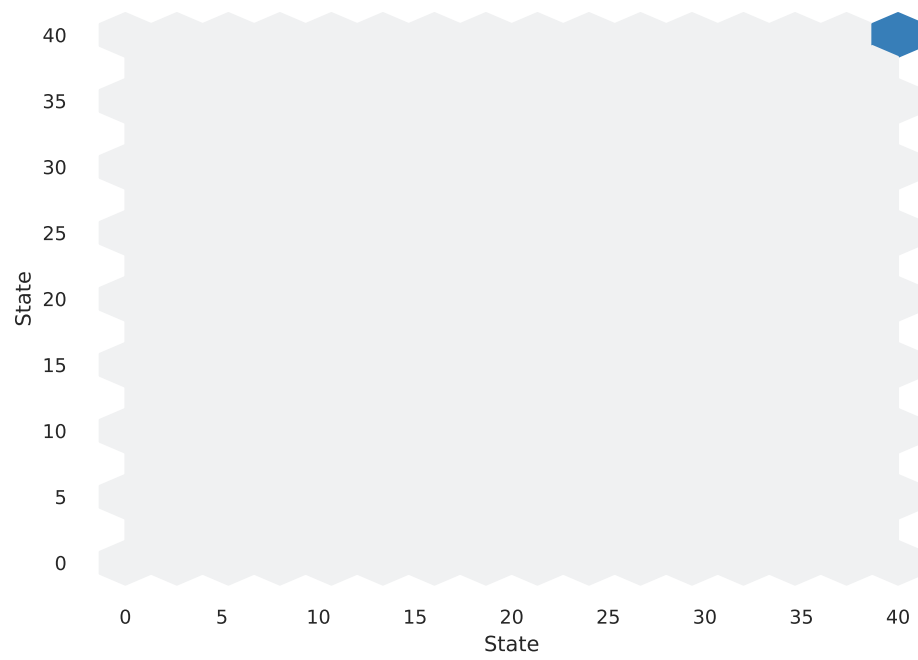
Latitude
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County
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State
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Model Year
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Electric Range
Base MSRP
Legislative District
DOL Vehicle ID
Electric Utility
2020 Census Tract
Longitude

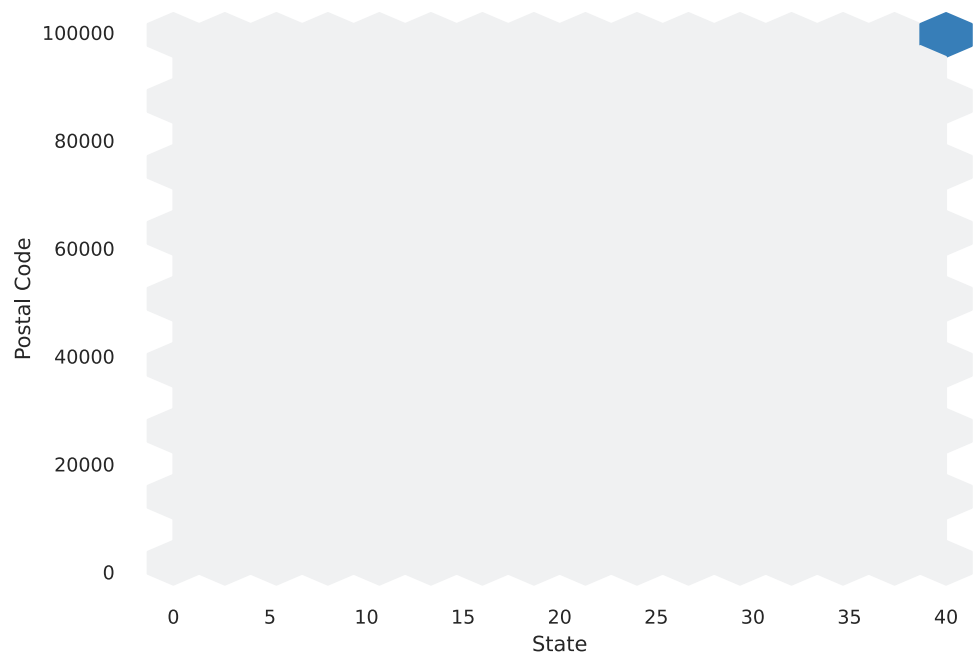


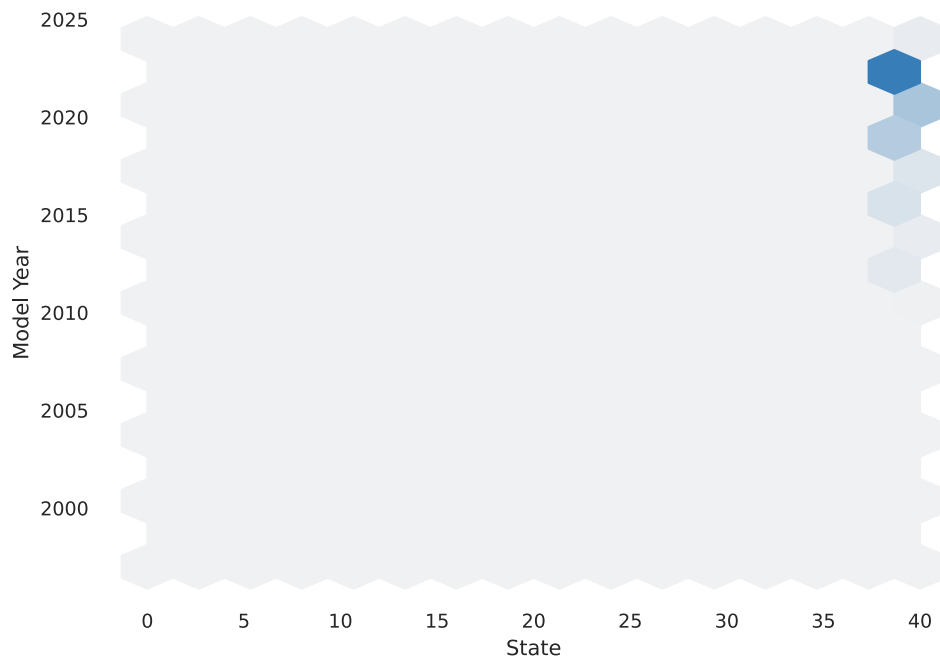


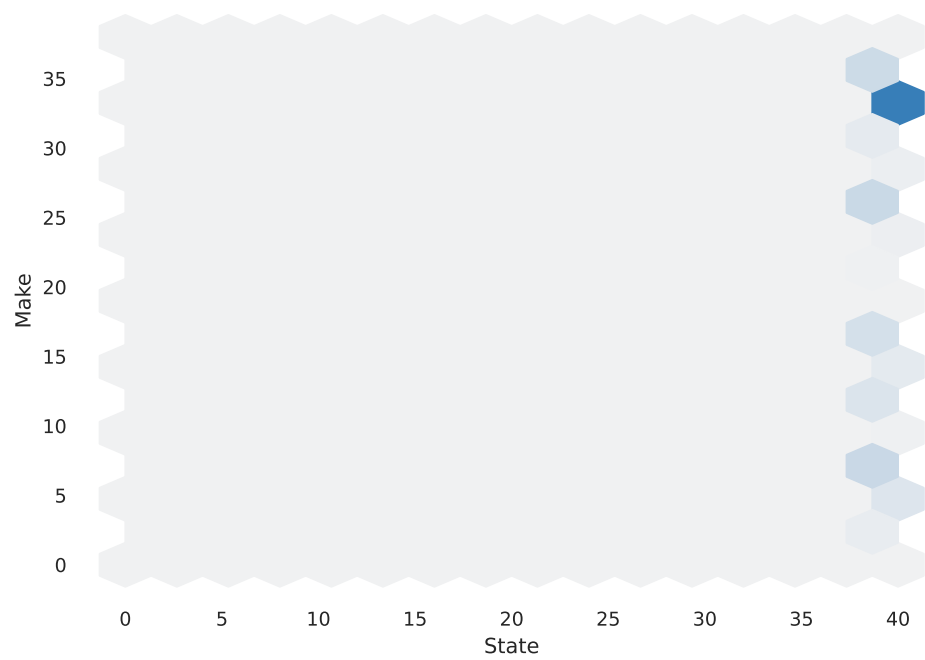


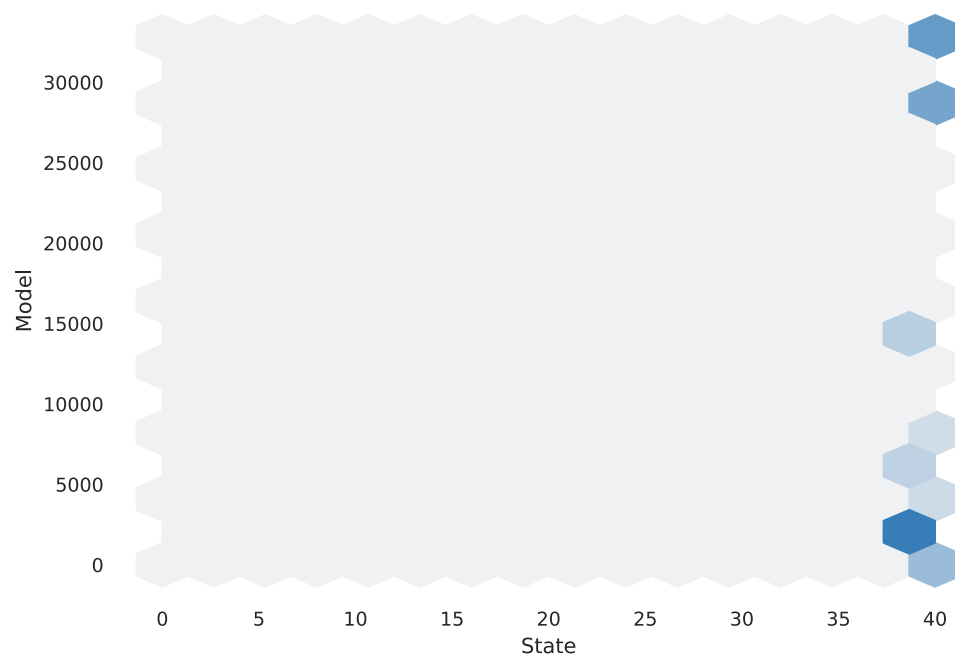


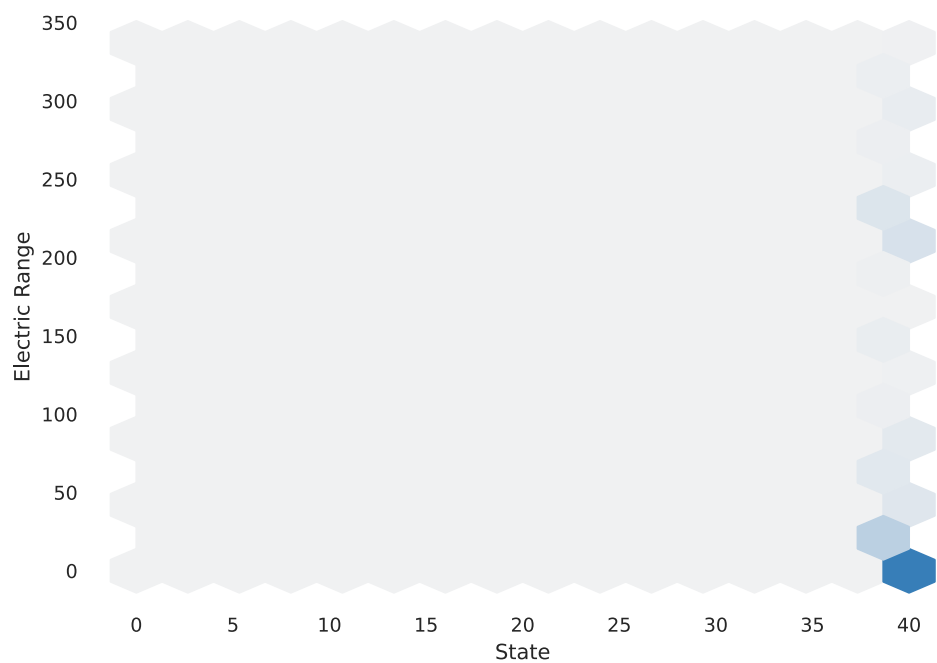


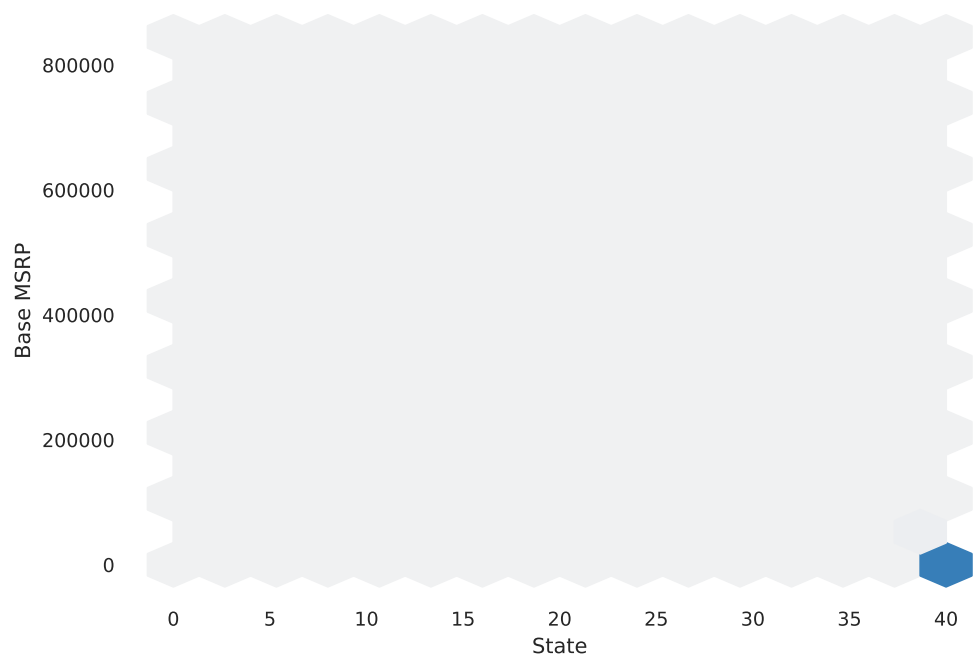


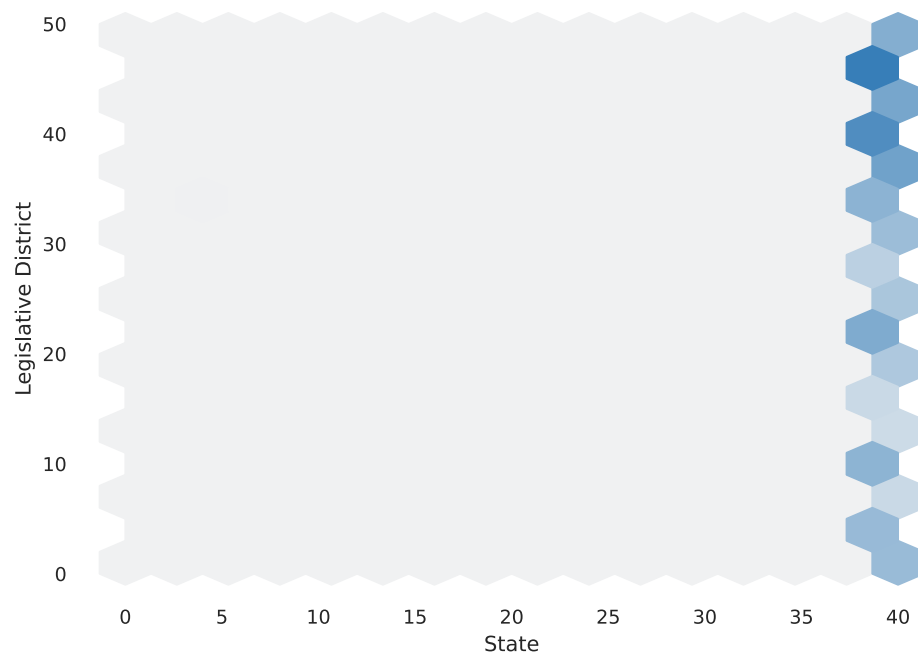


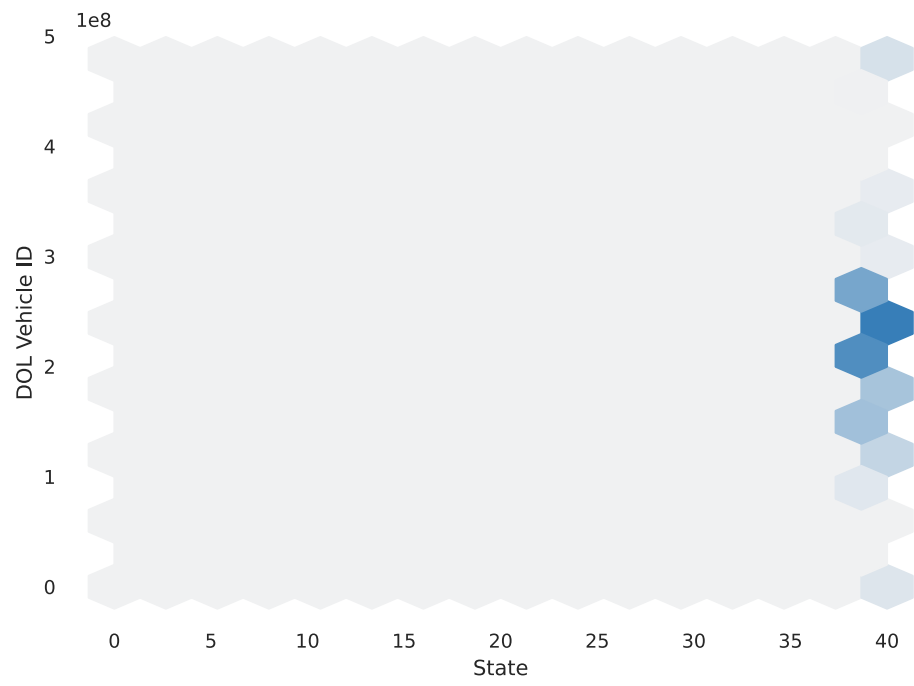


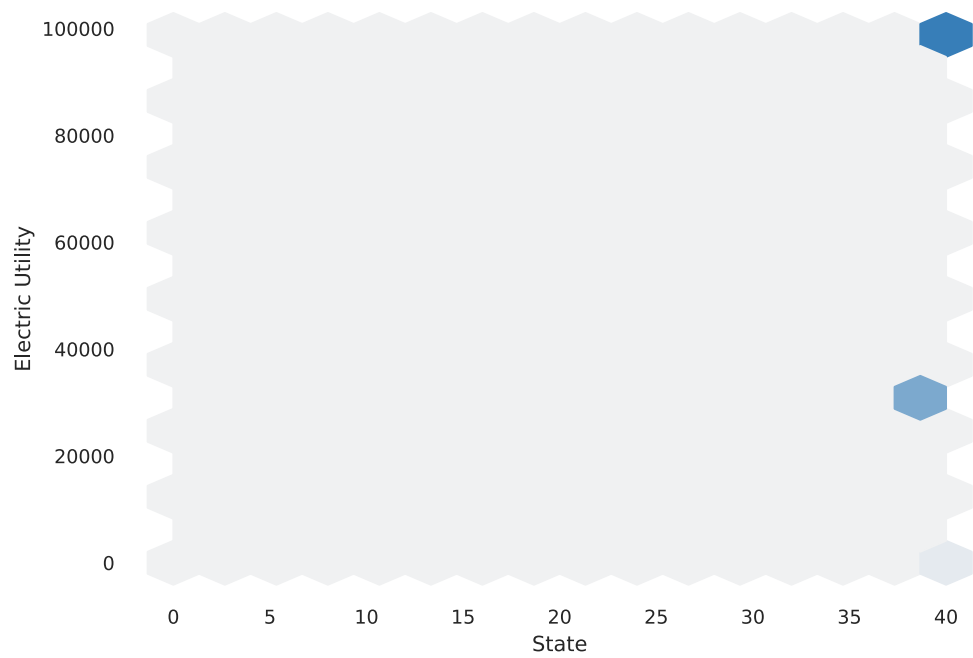


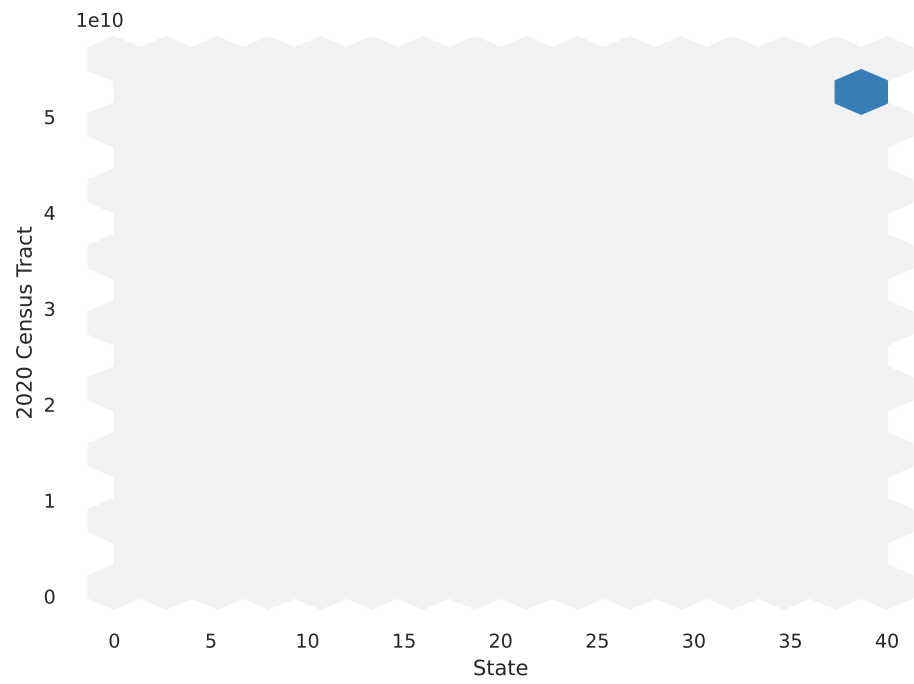


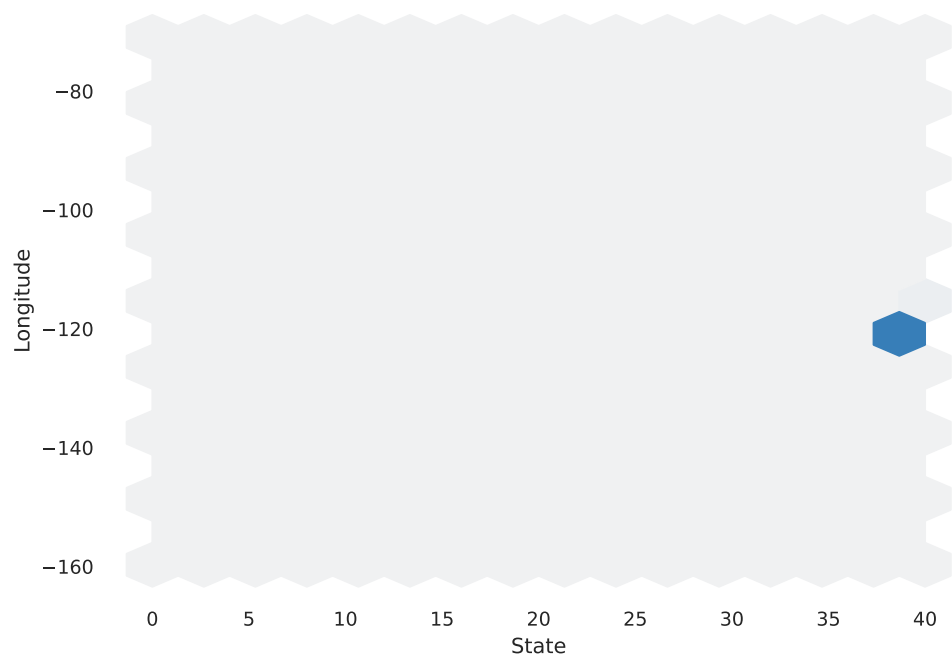




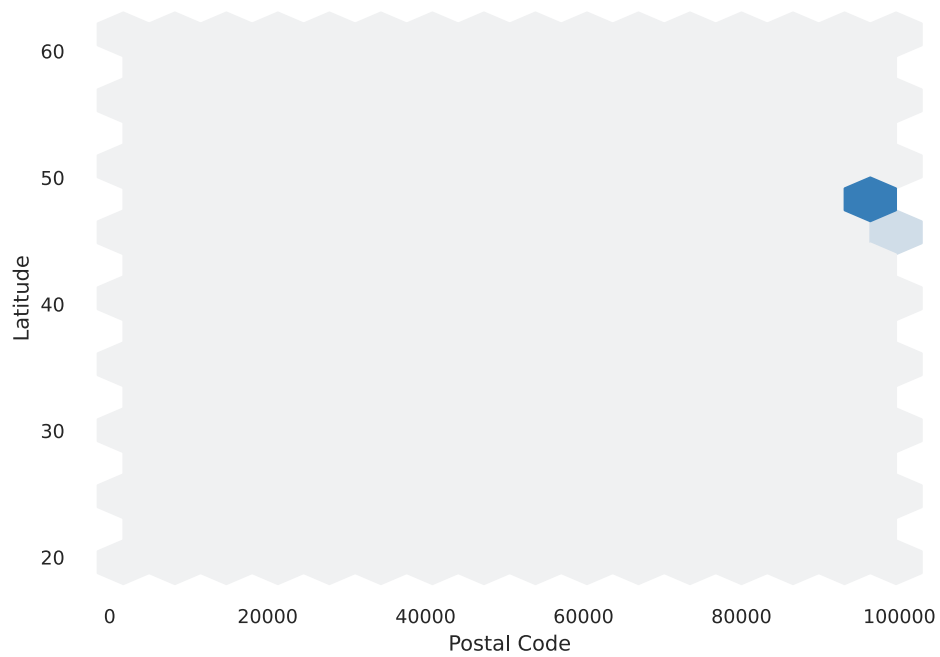


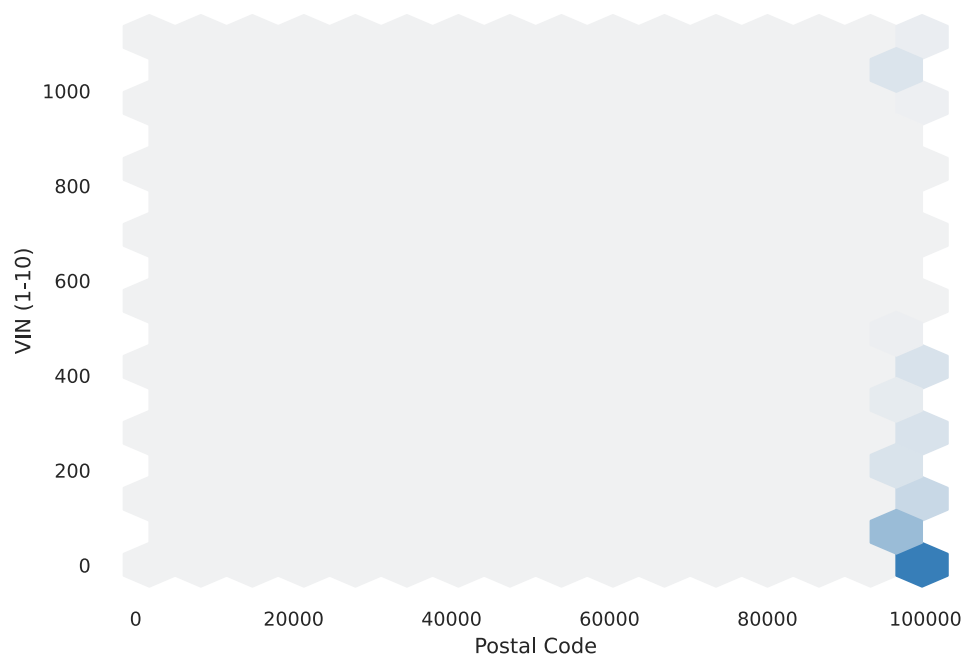


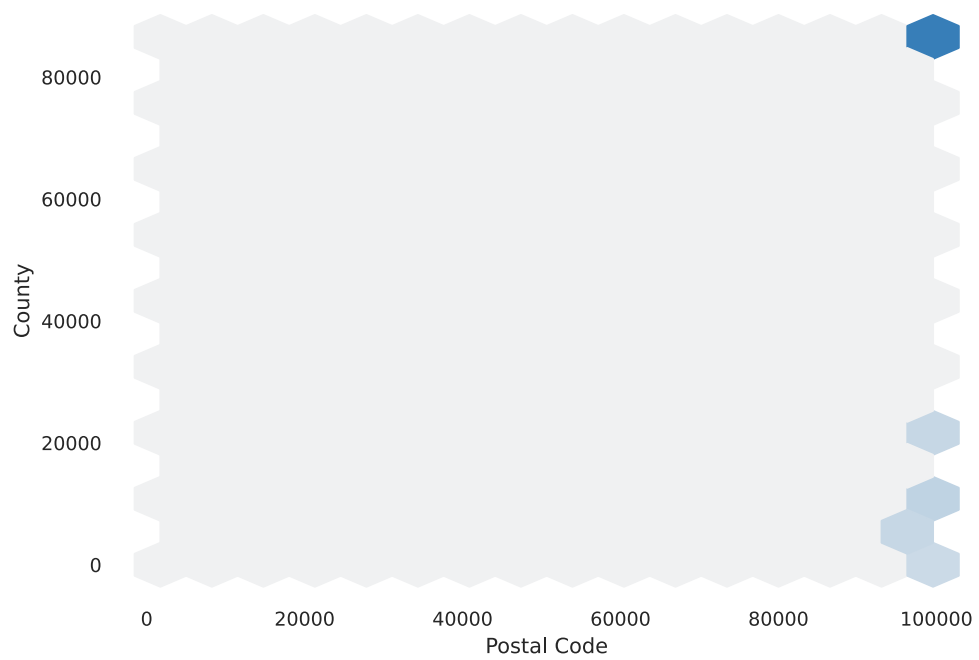


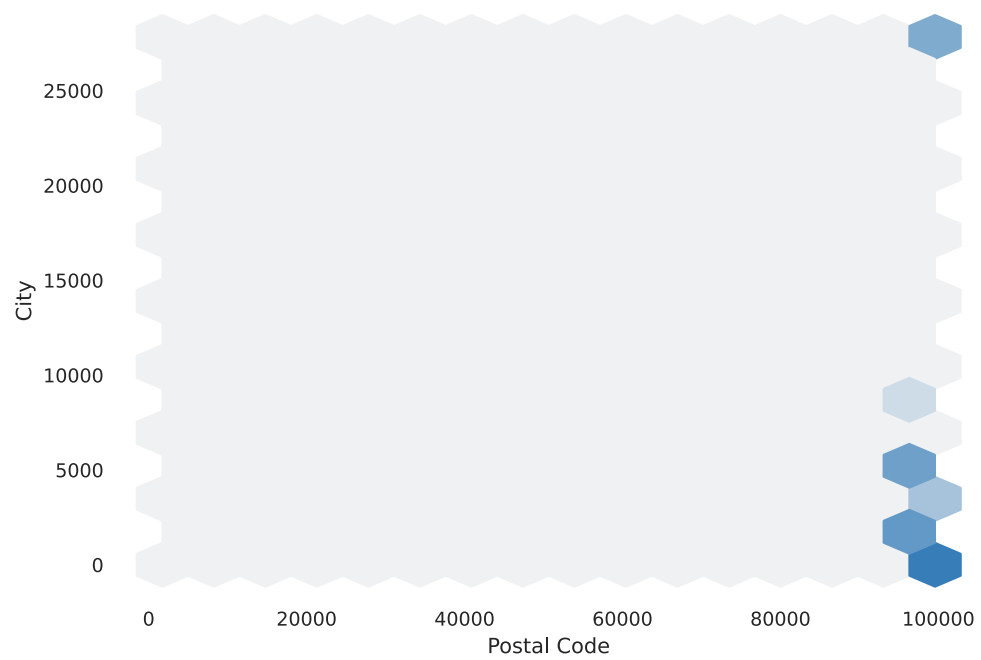


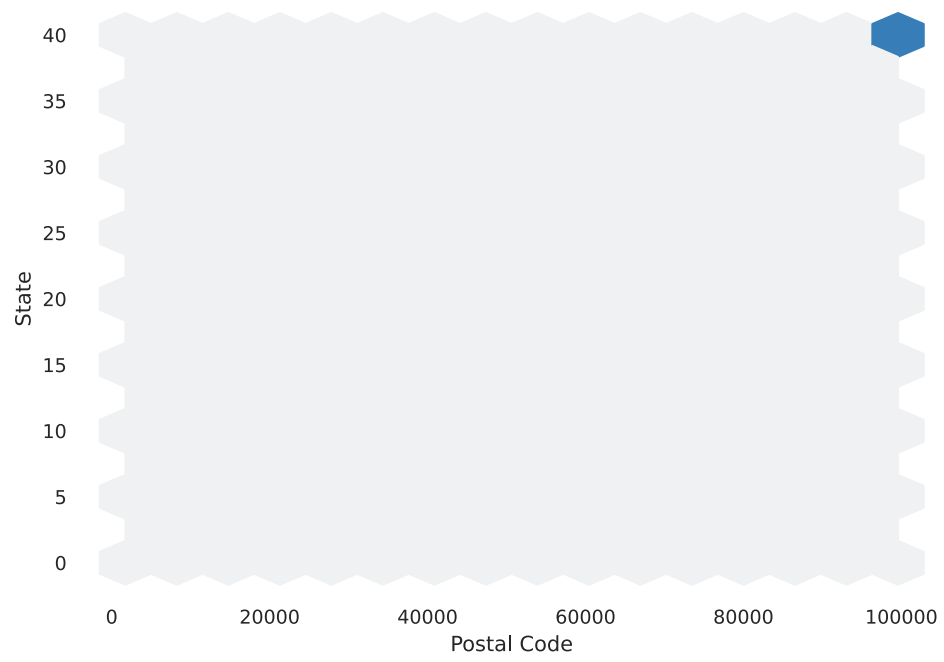
Latitude
VIN (1-10)
County
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State
Postal Code
Model Year
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Electric Range
Base MSRP
Legislative District
DOL Vehicle ID
Electric Utility
2020 Census Tract
Longitude

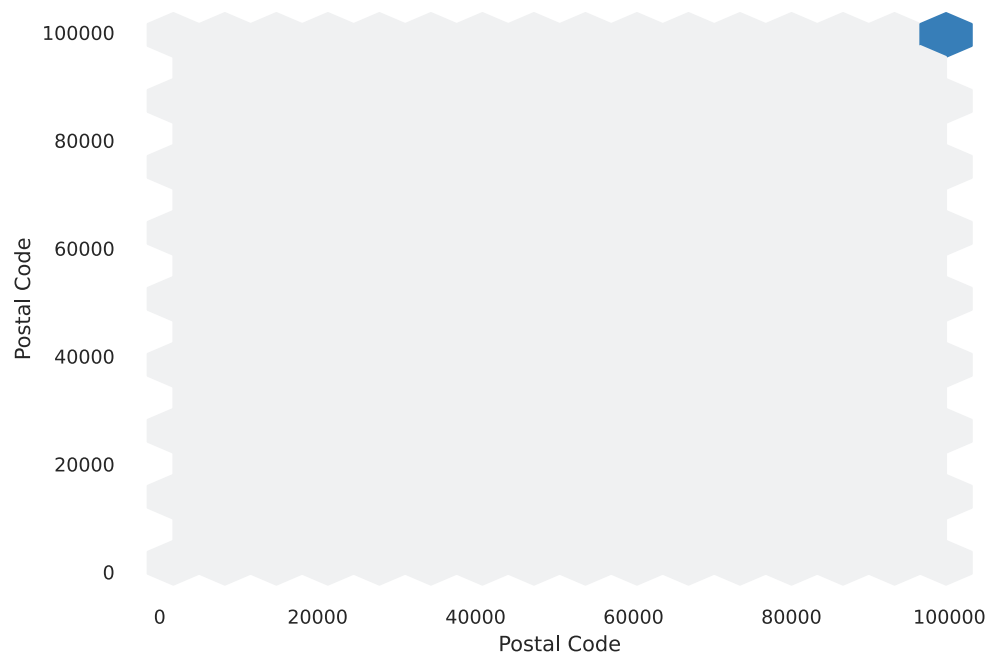


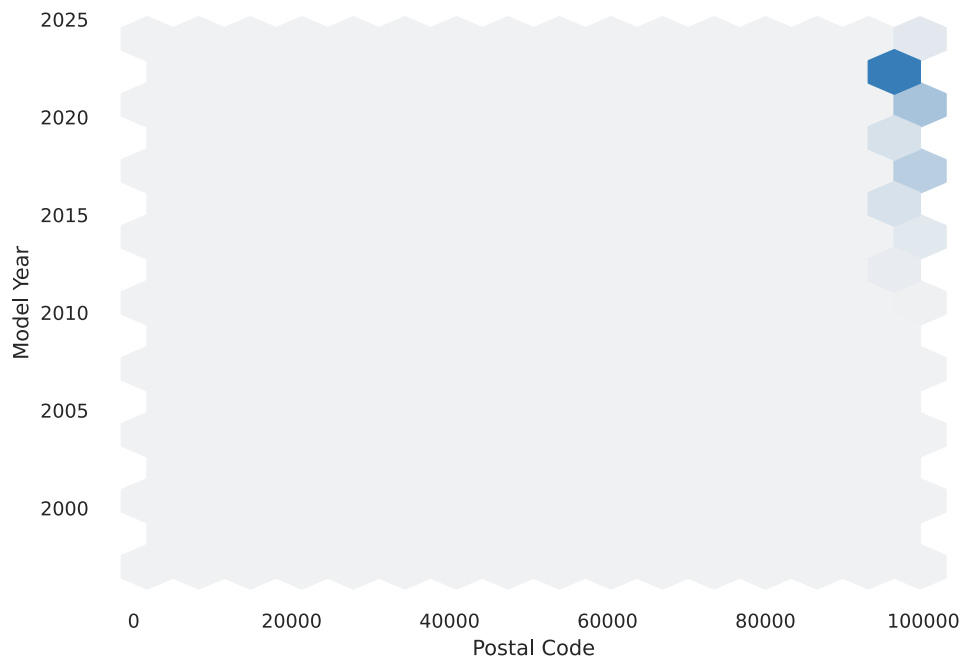


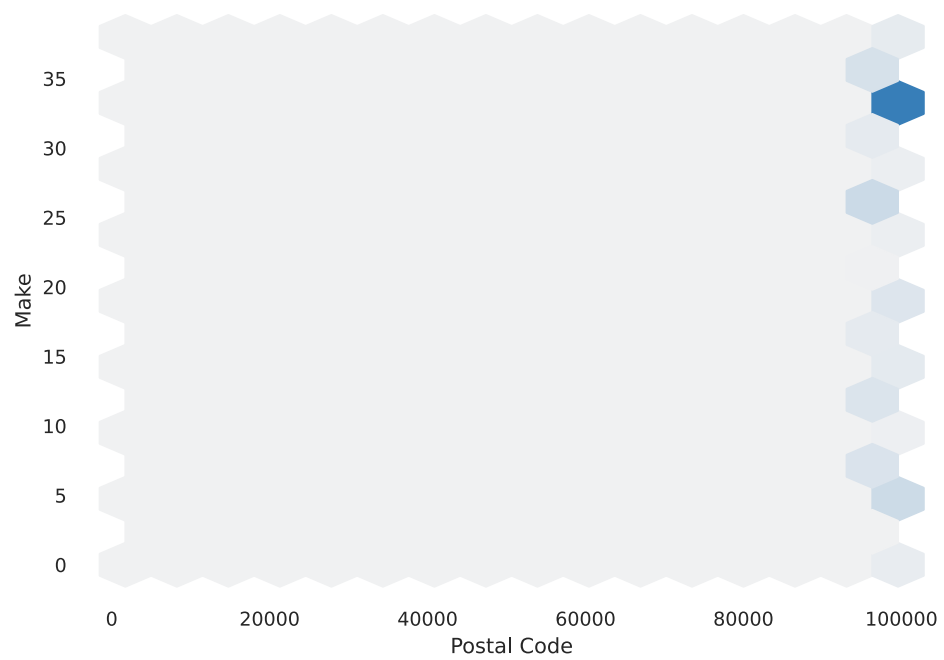


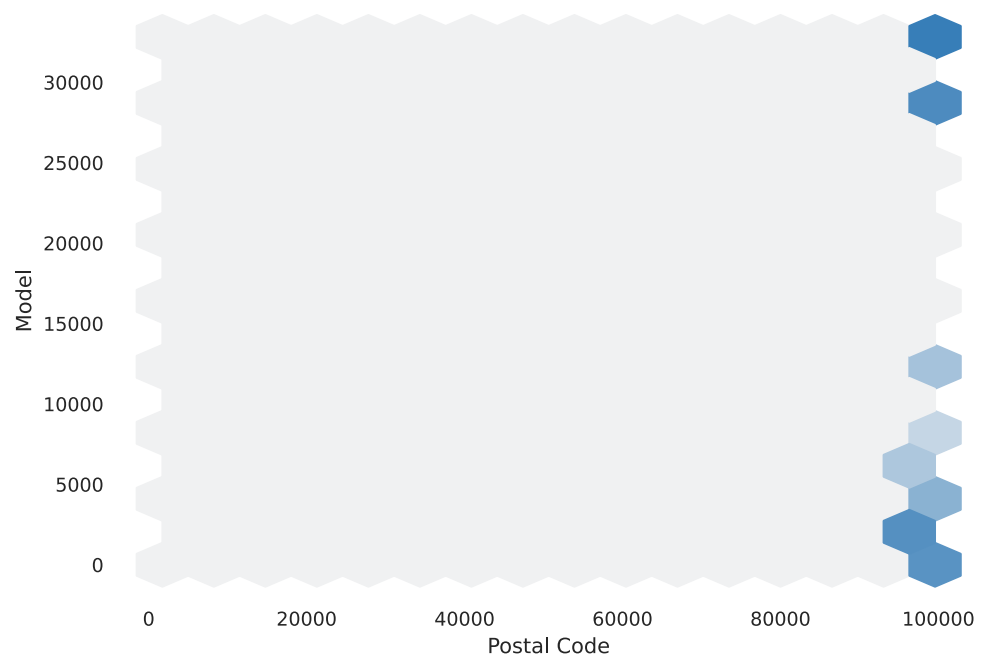


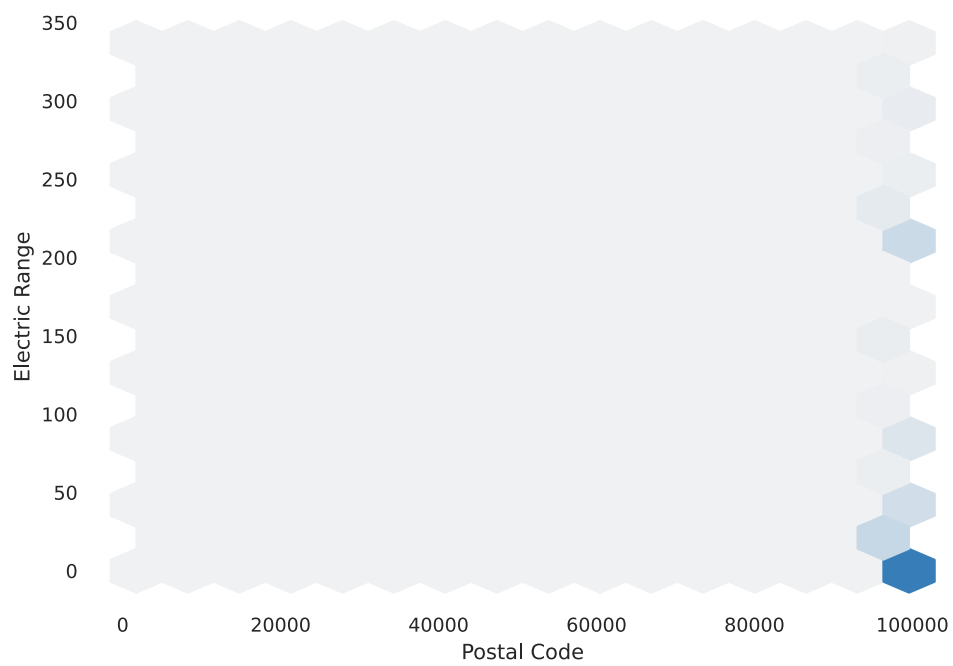


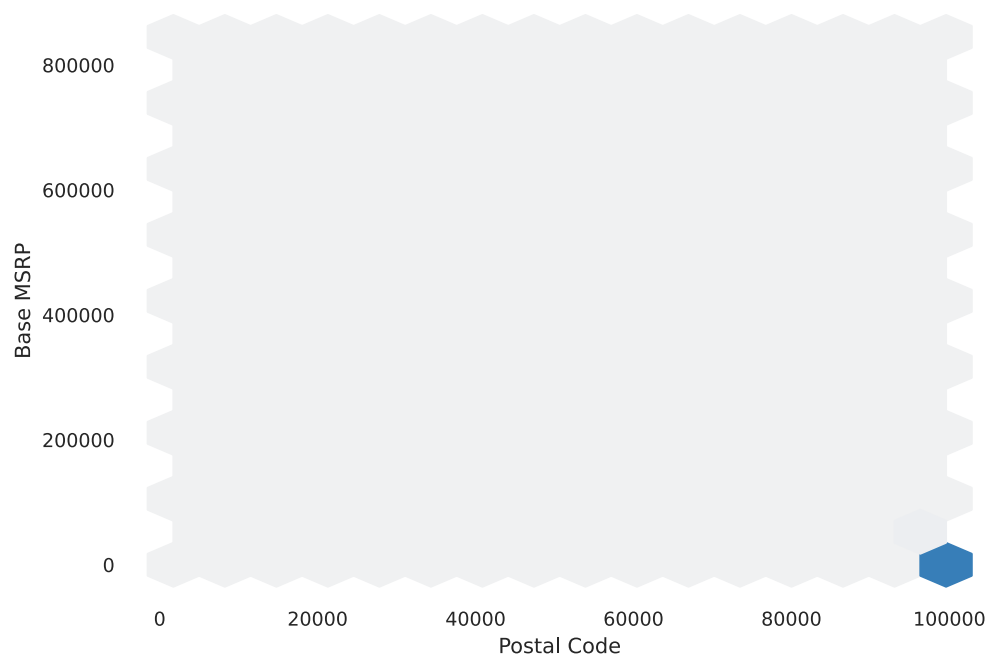


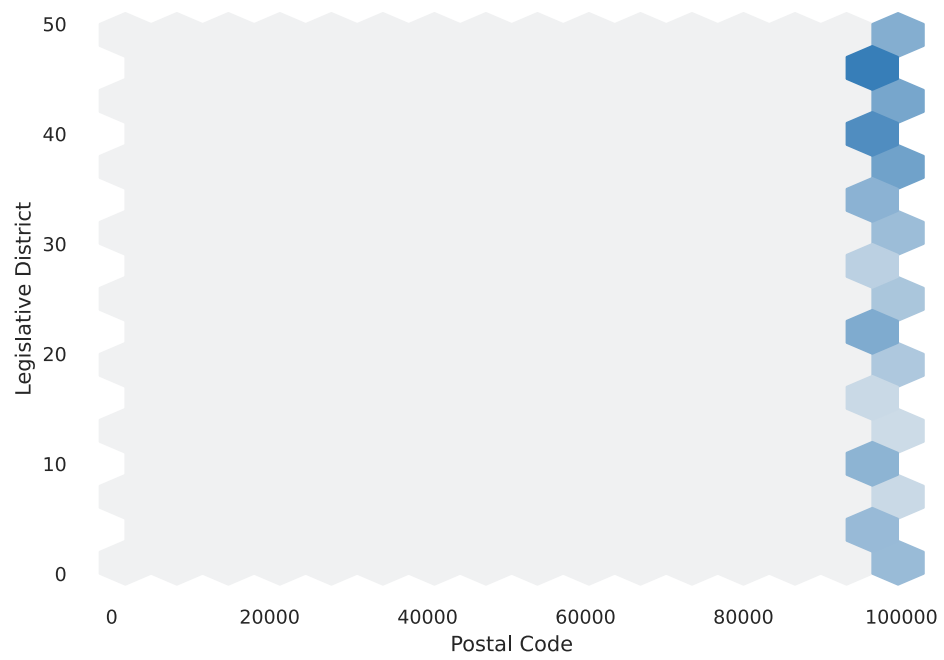


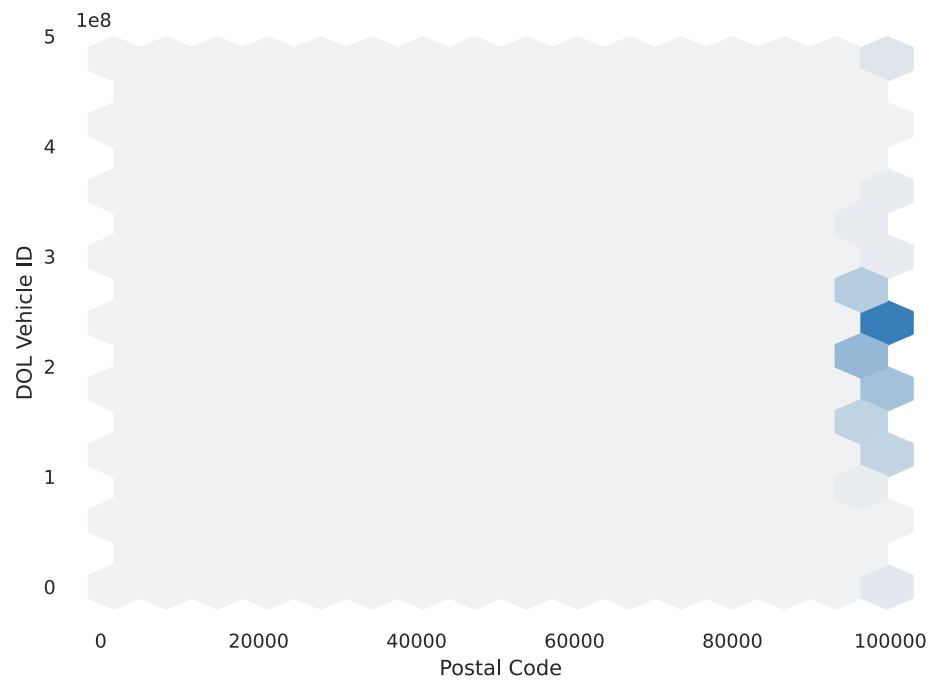


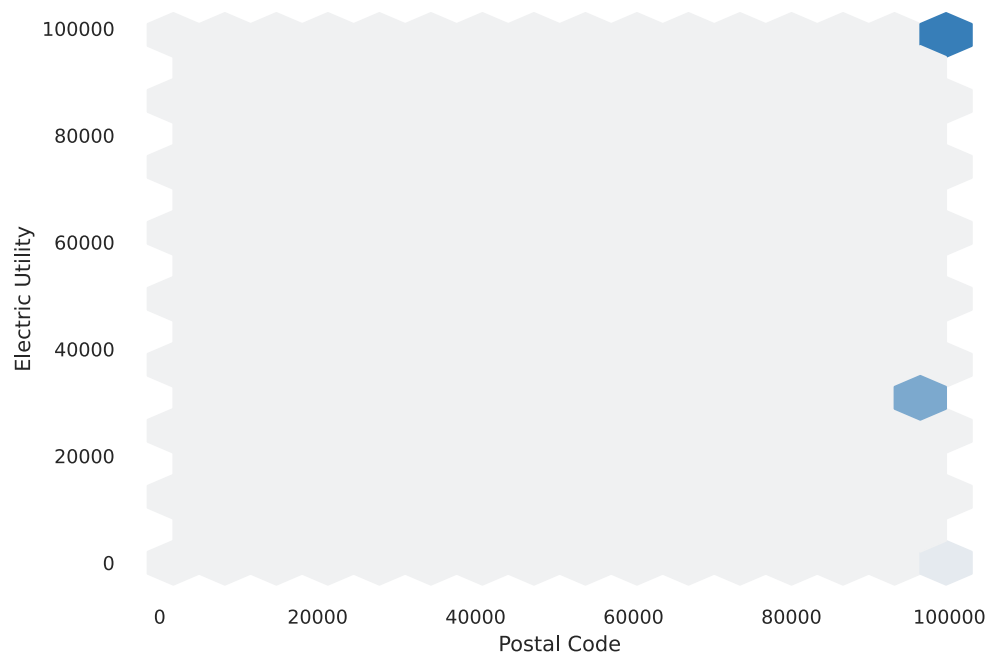


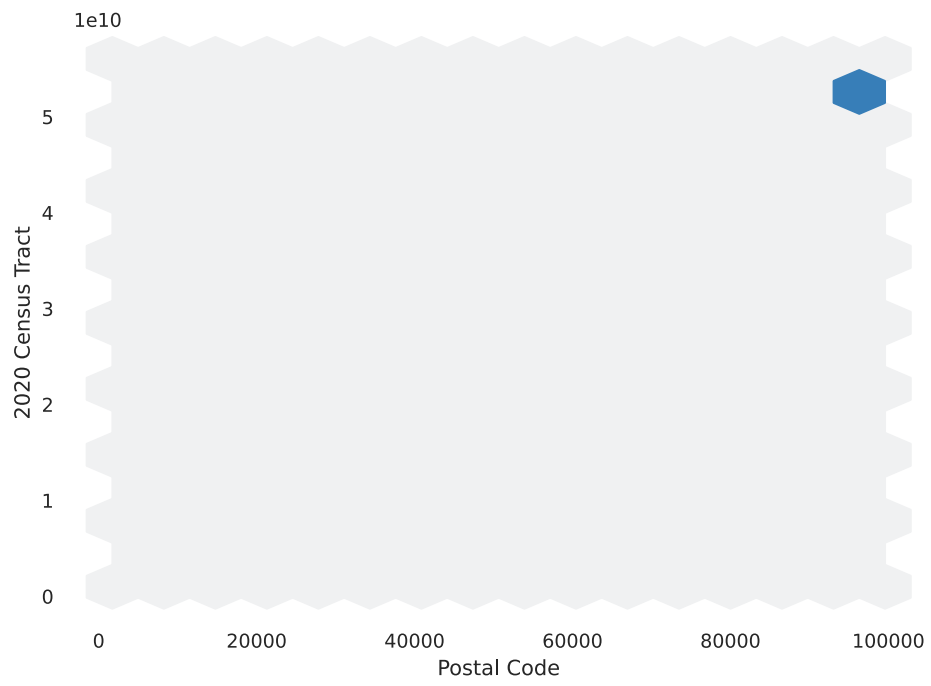


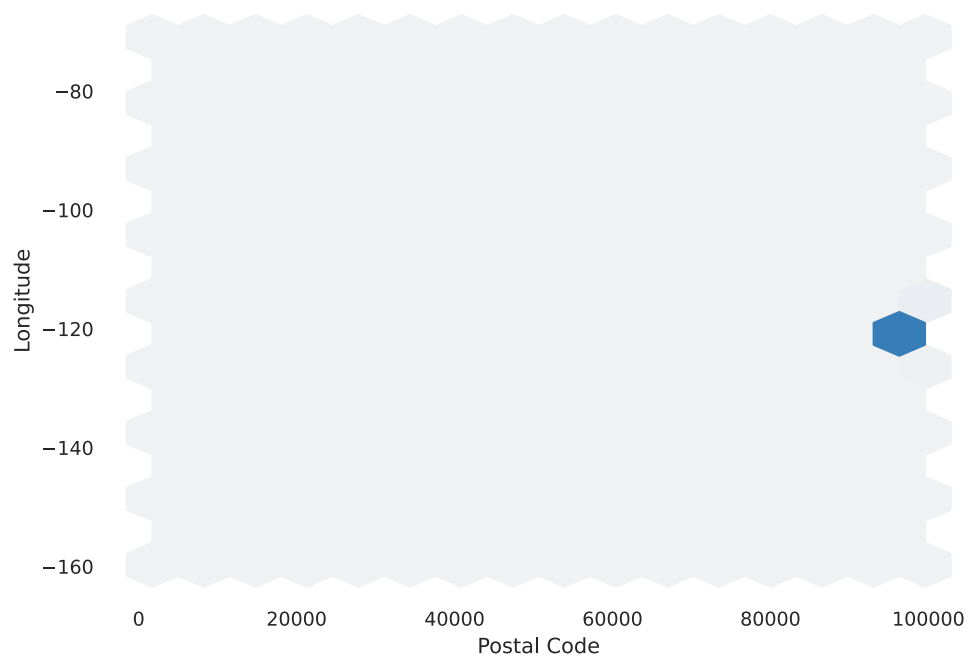




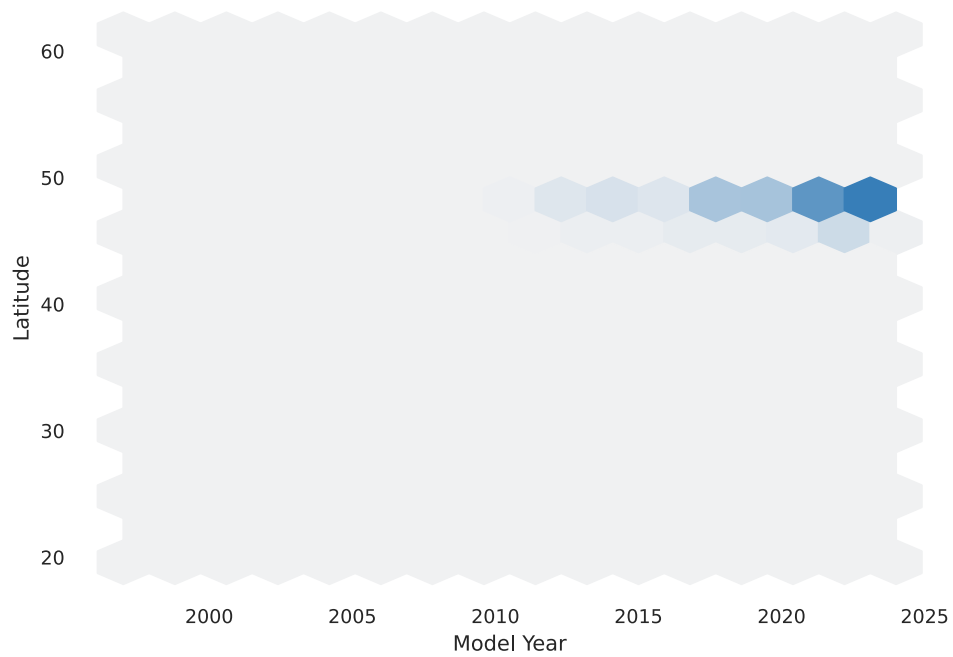


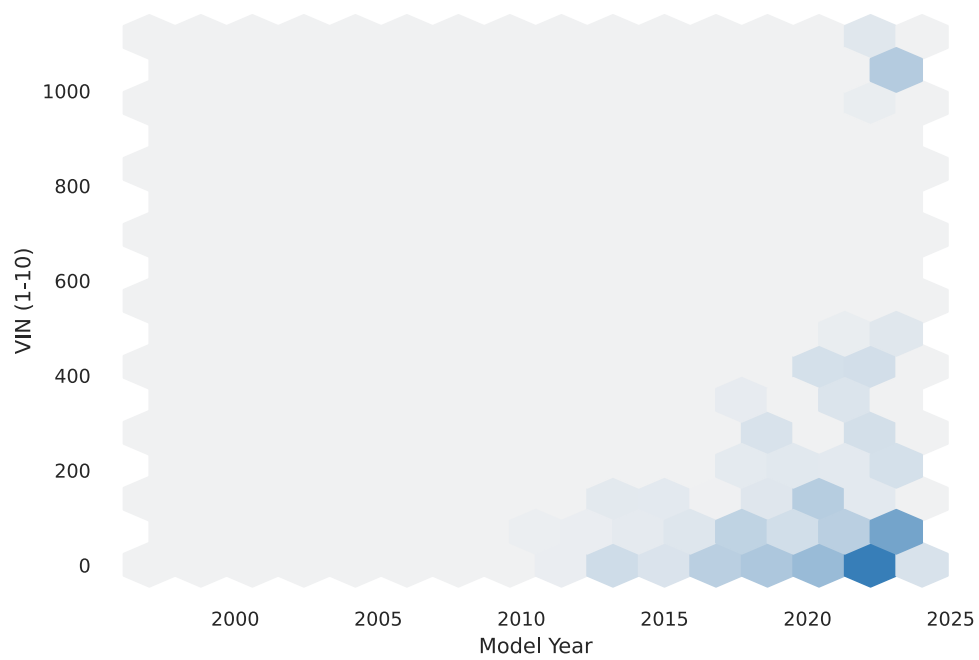


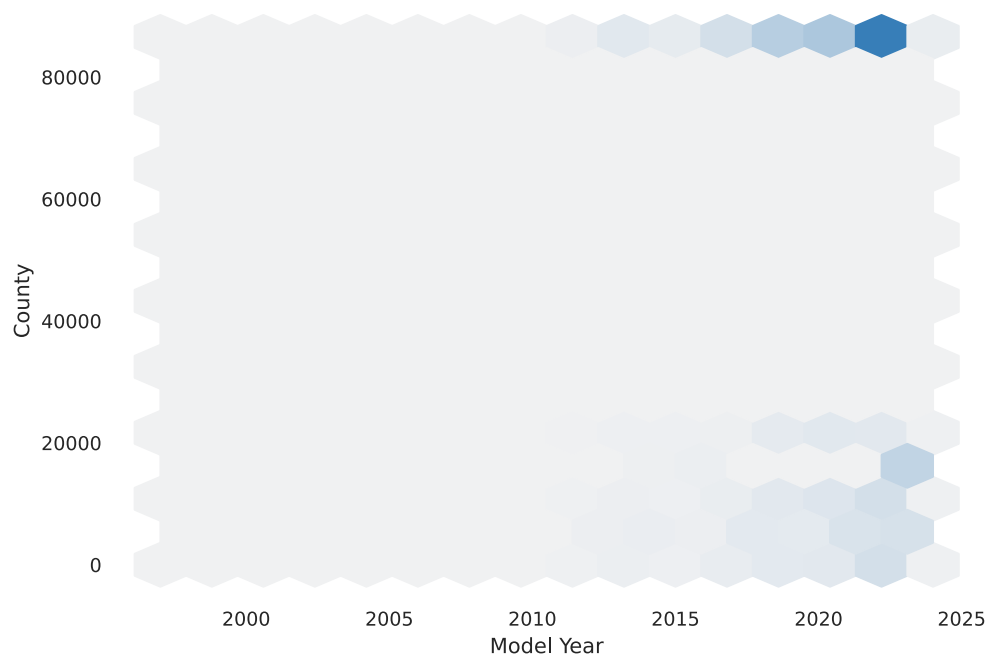


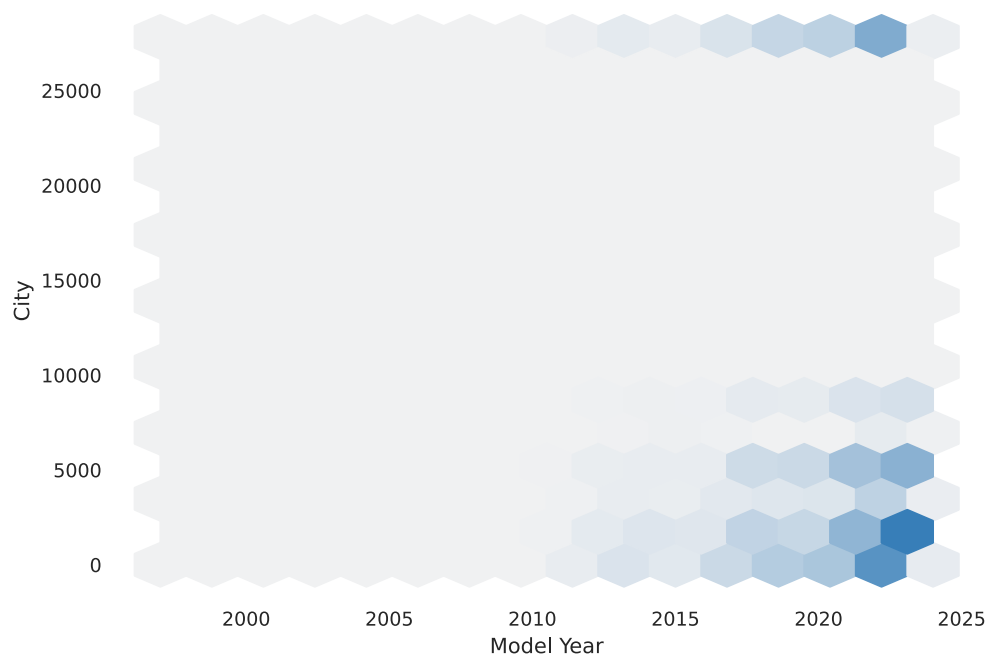


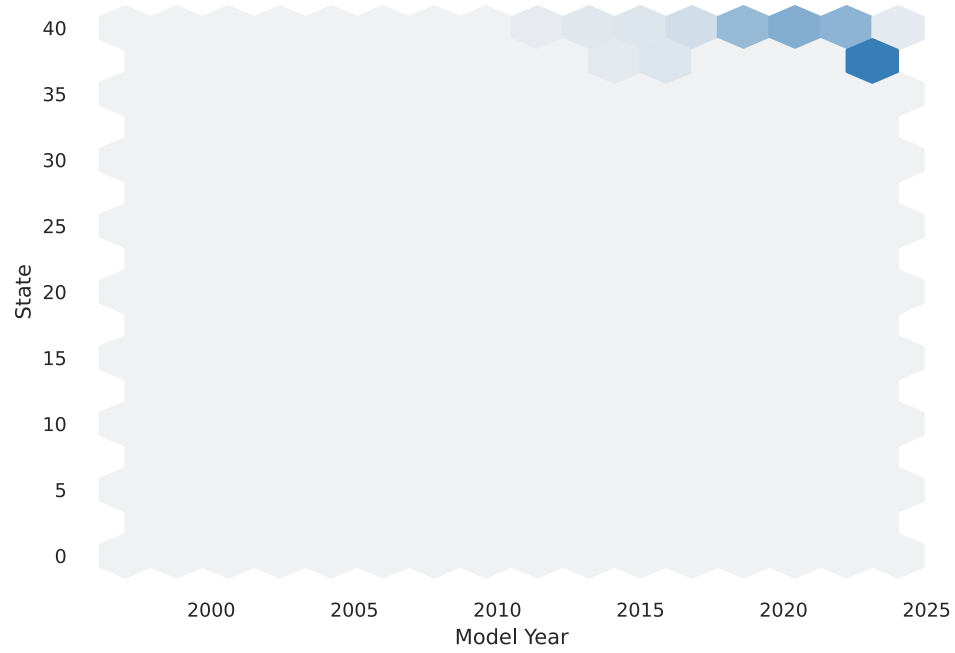
Latitude
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Electric Range
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Legislative District
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2020 Census Tract
Longitude

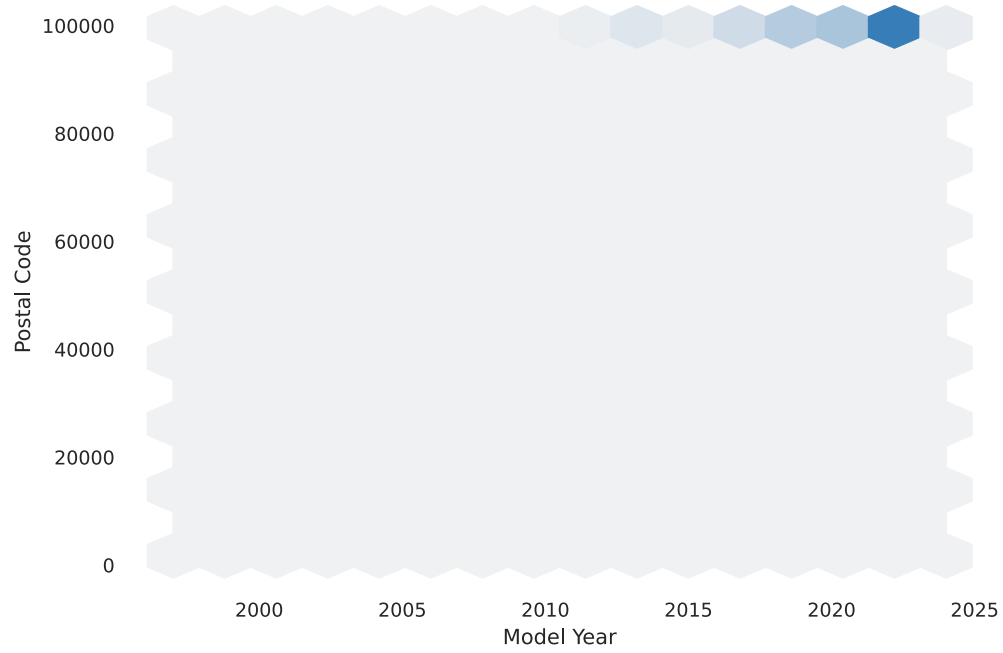


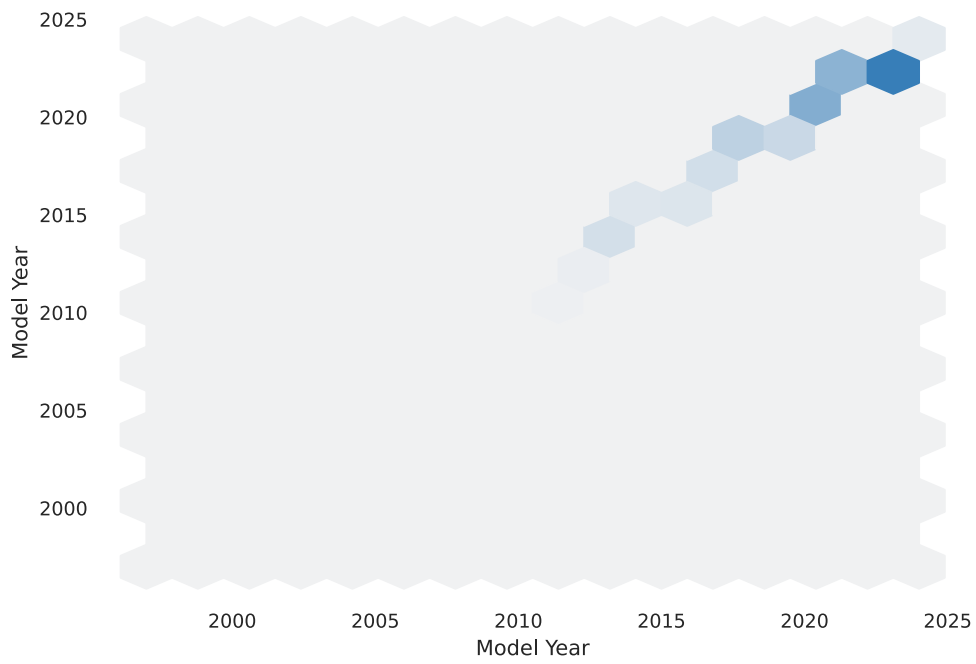


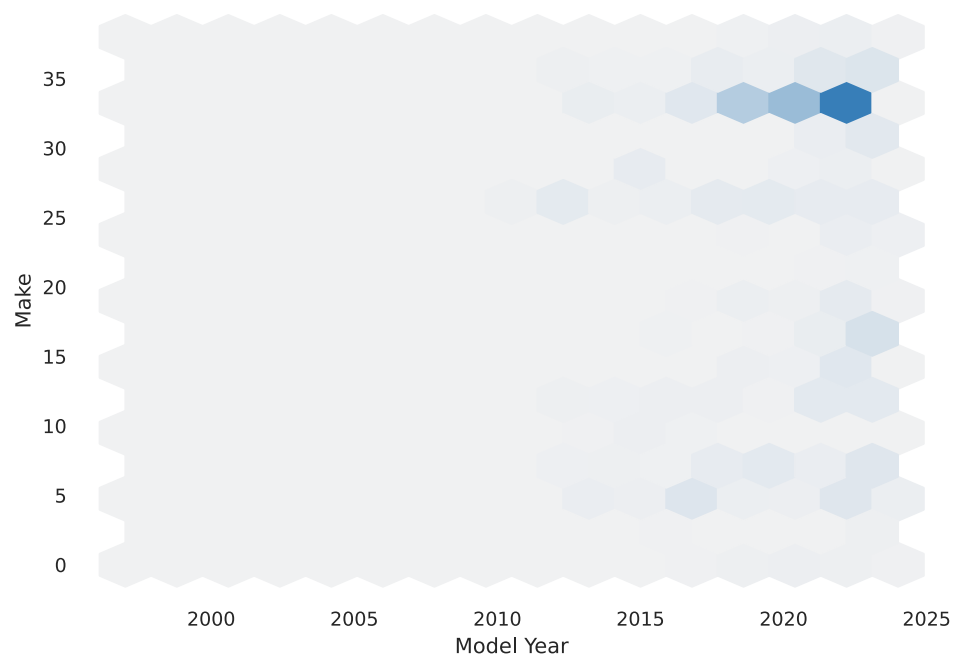


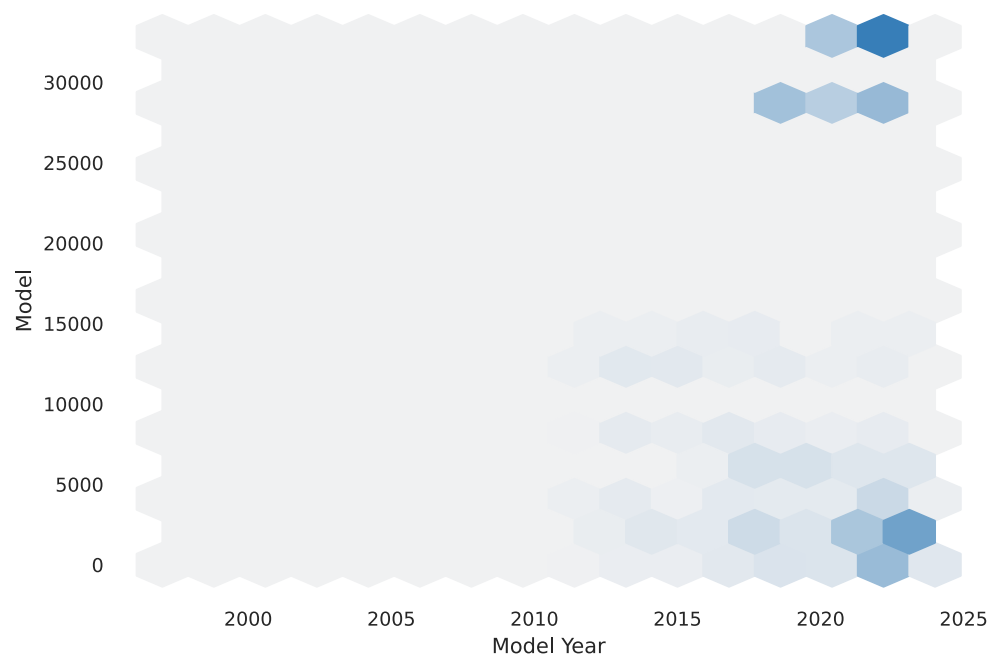


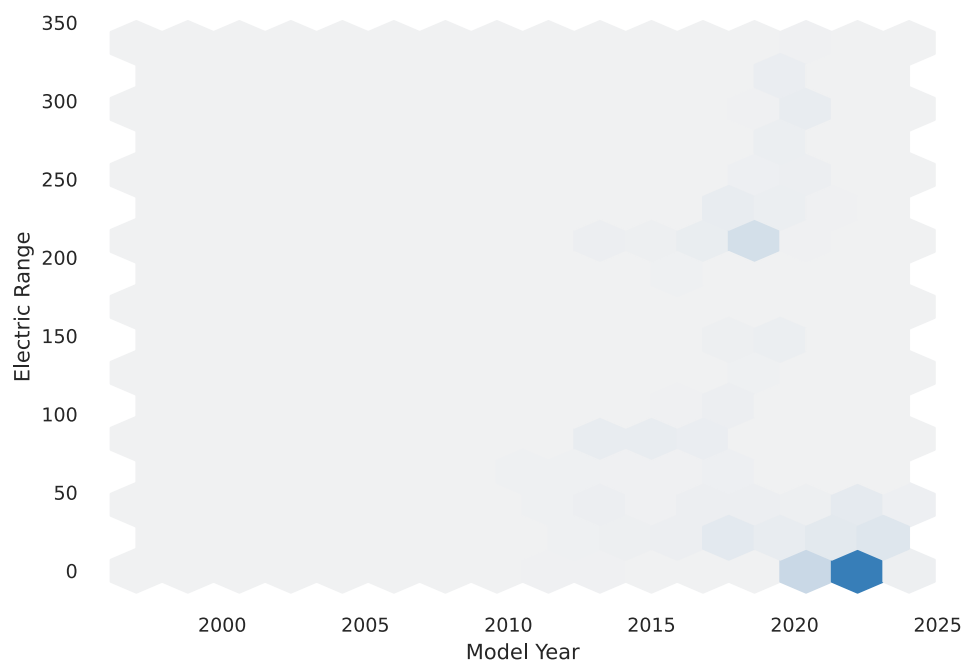


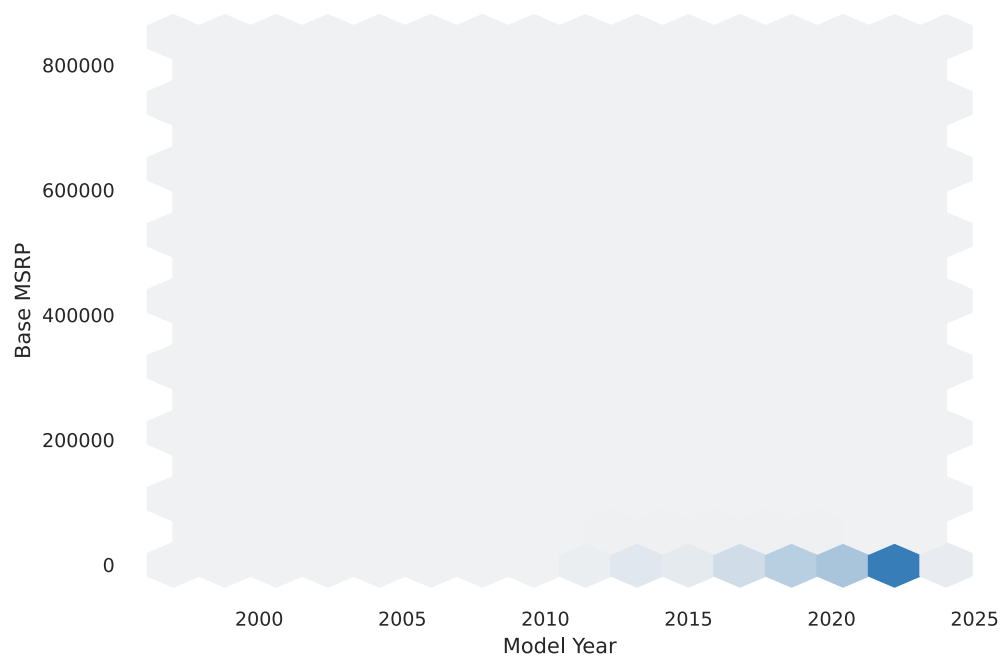


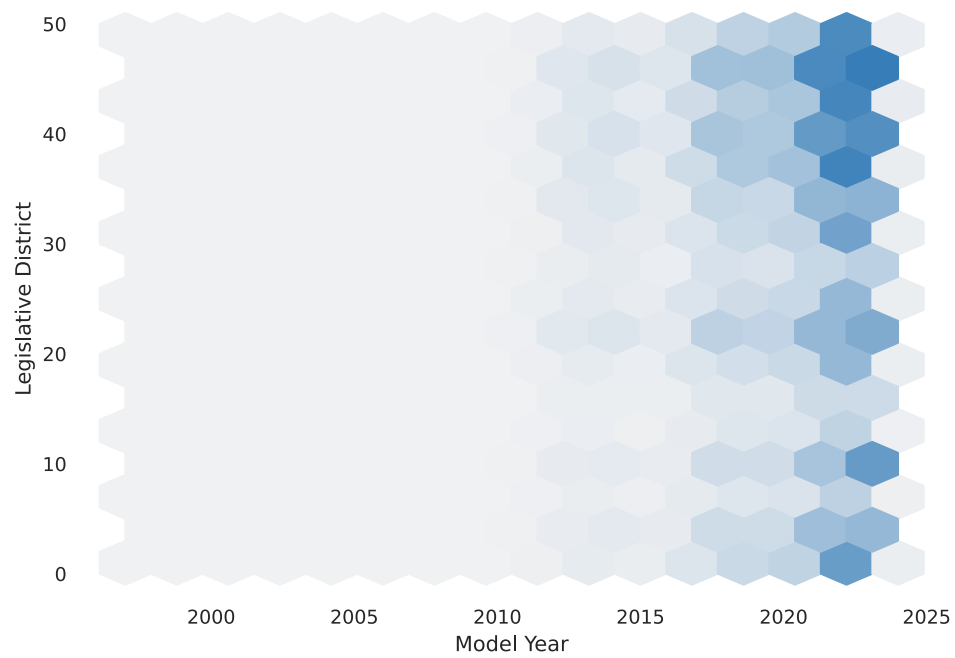


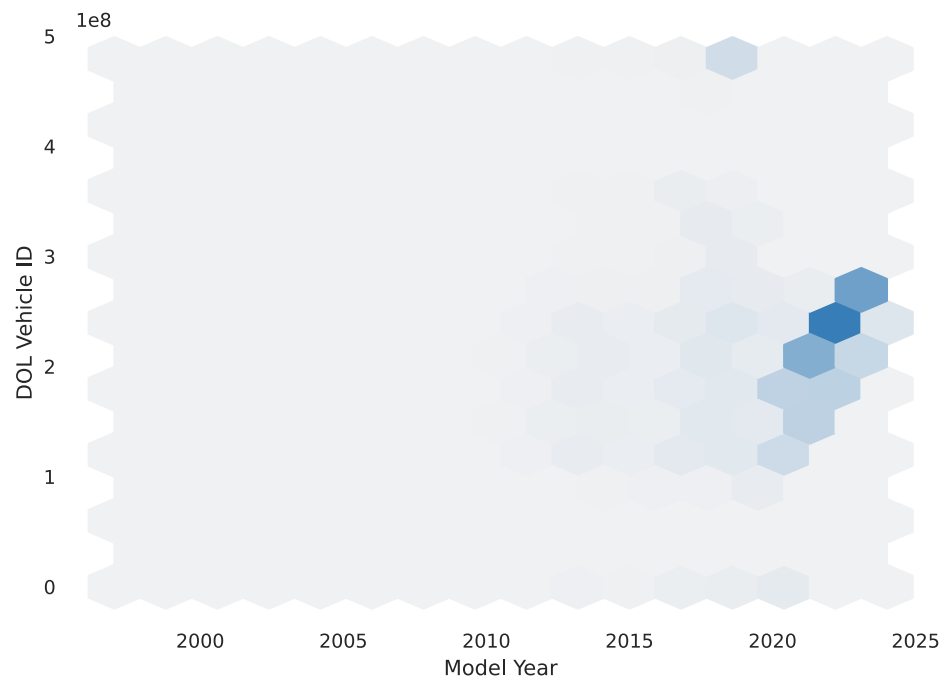


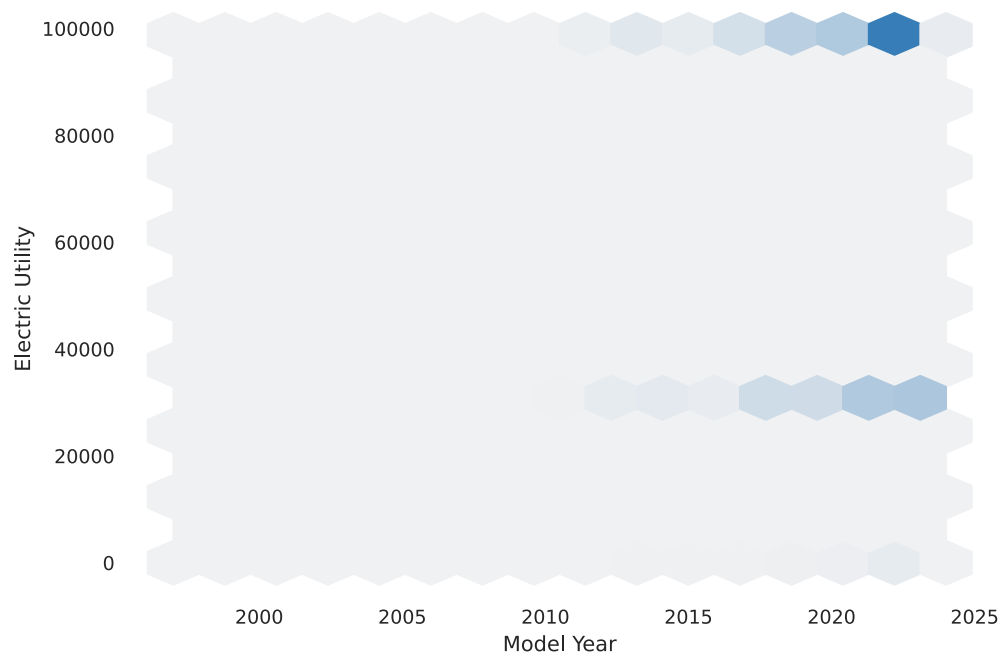


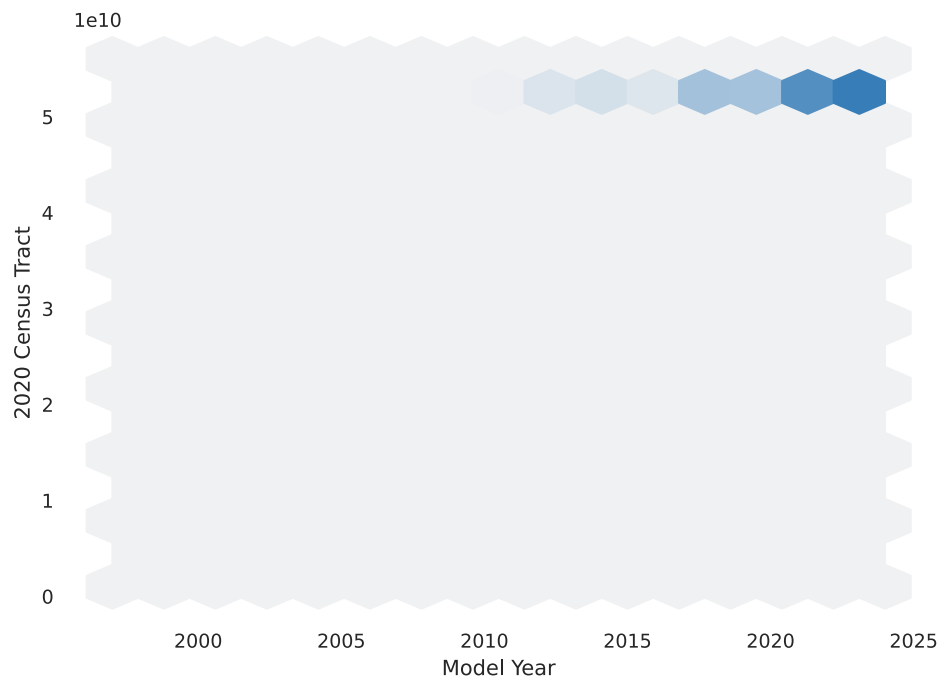


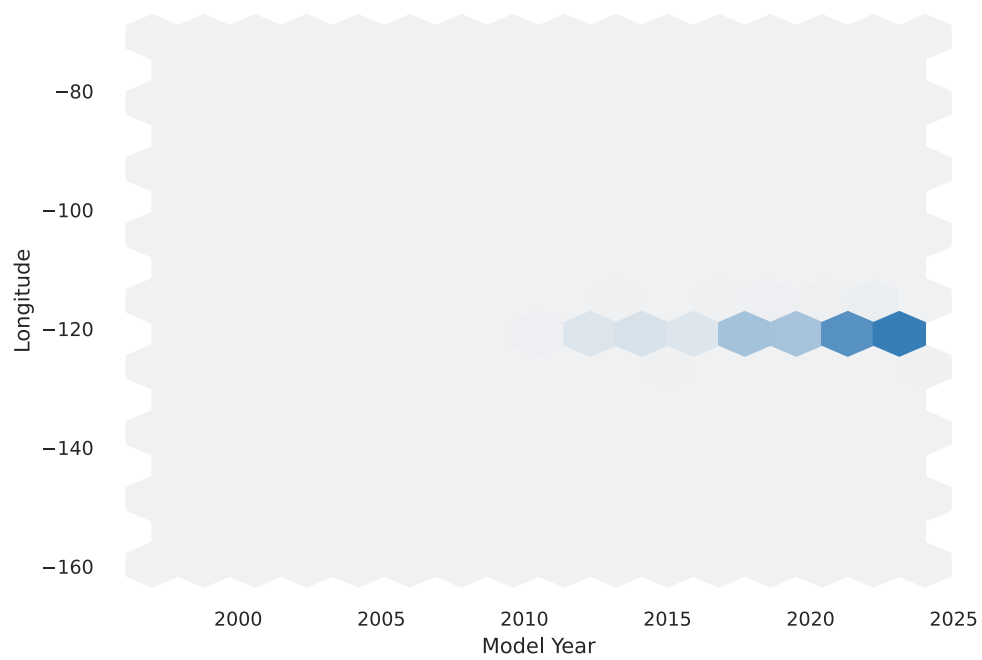




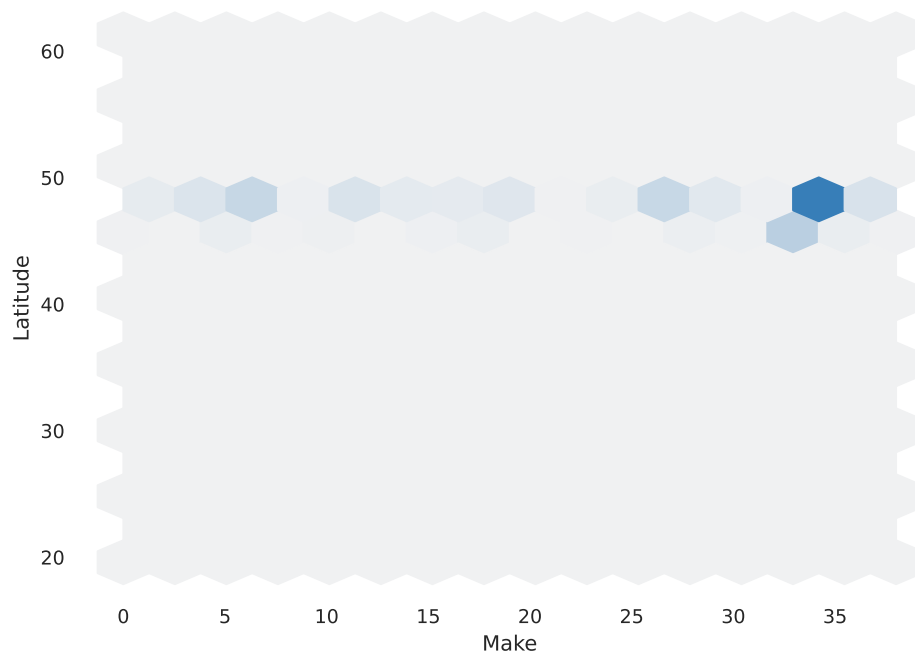


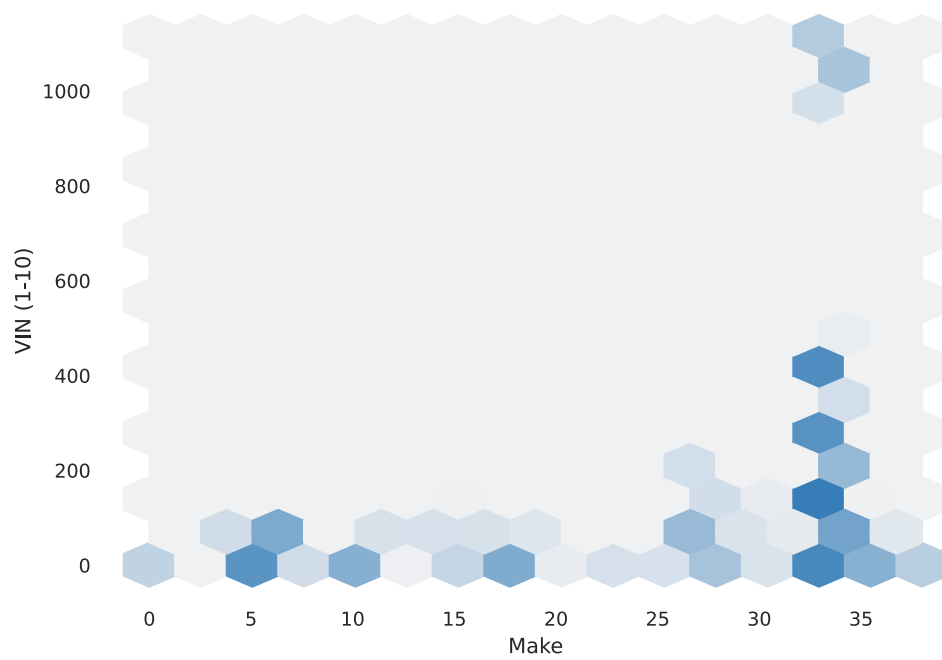


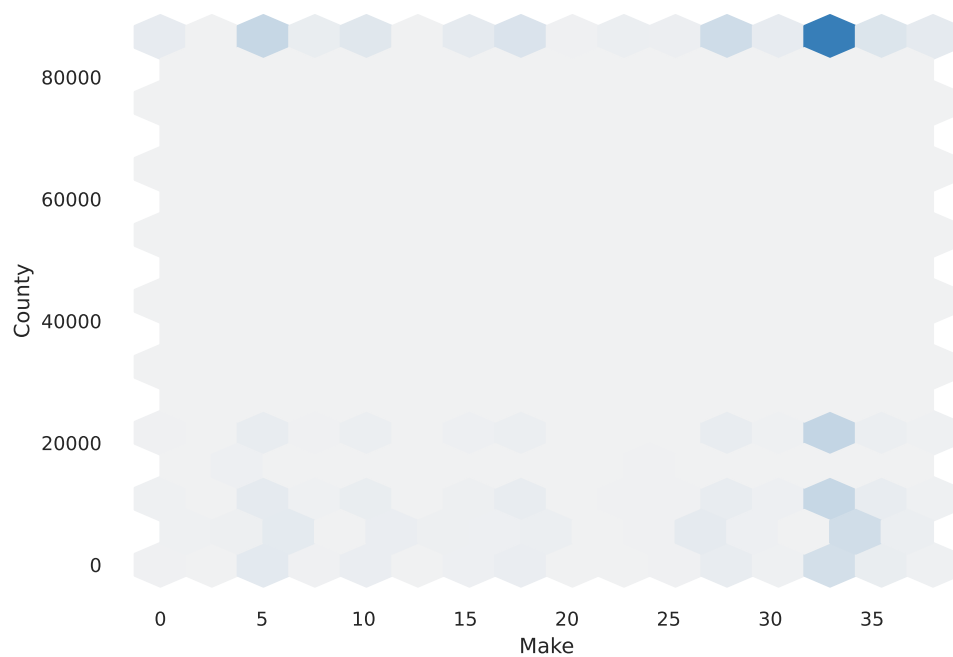


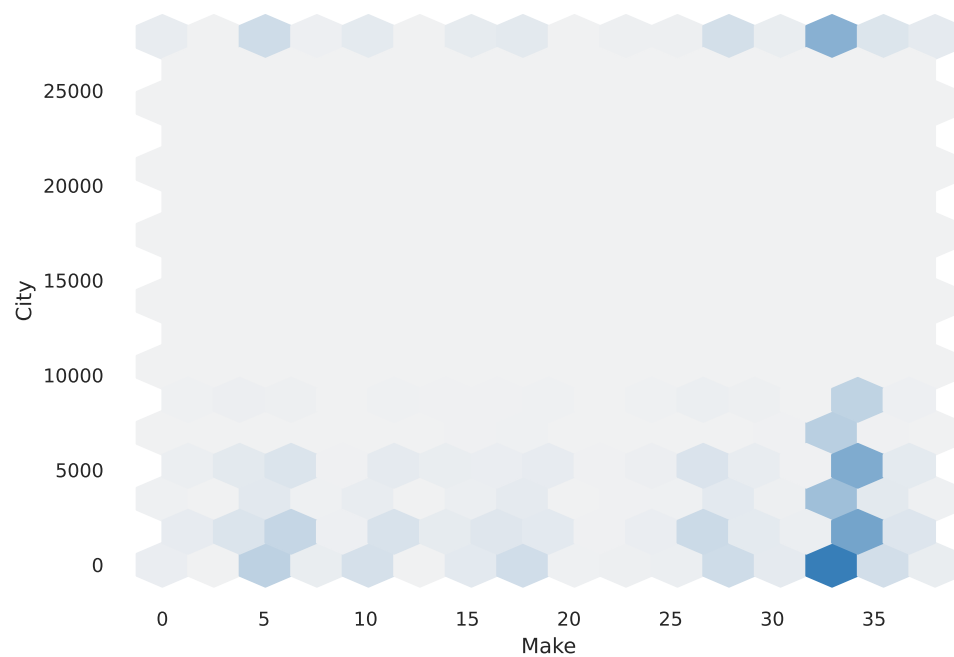


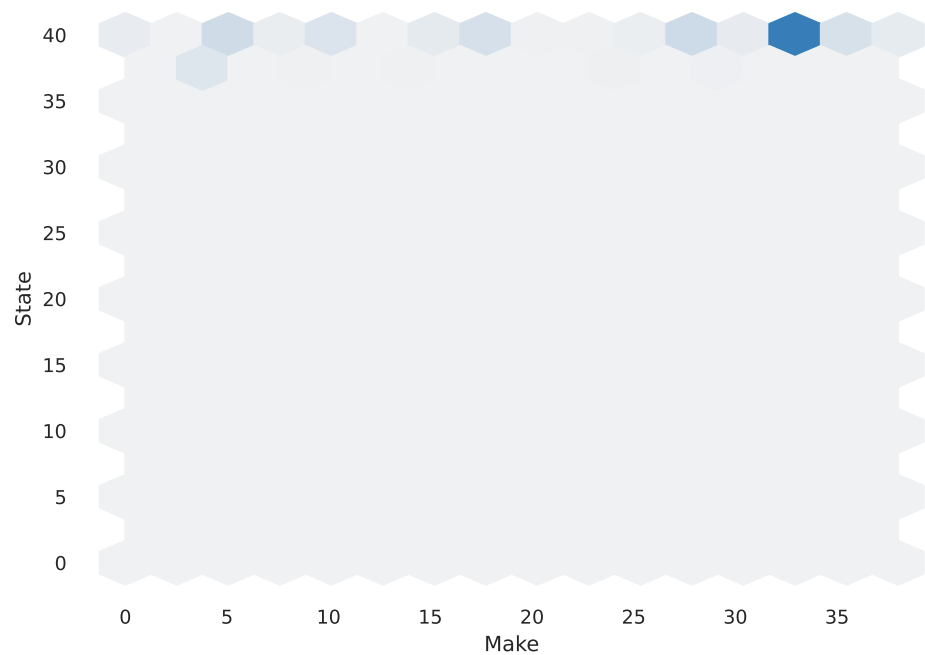
Latitude
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DOL Vehicle ID
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Longitude

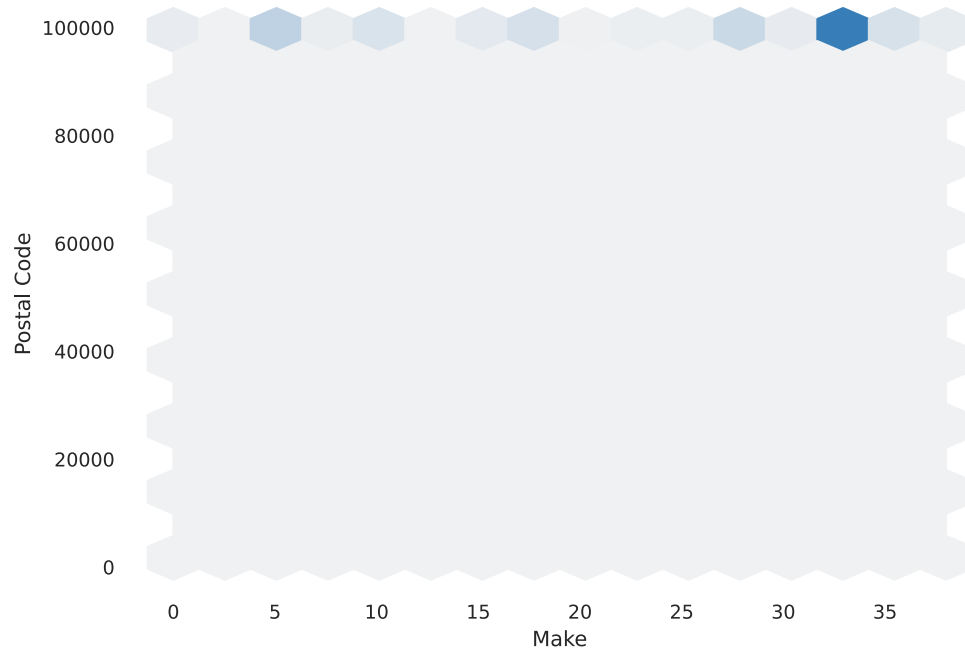


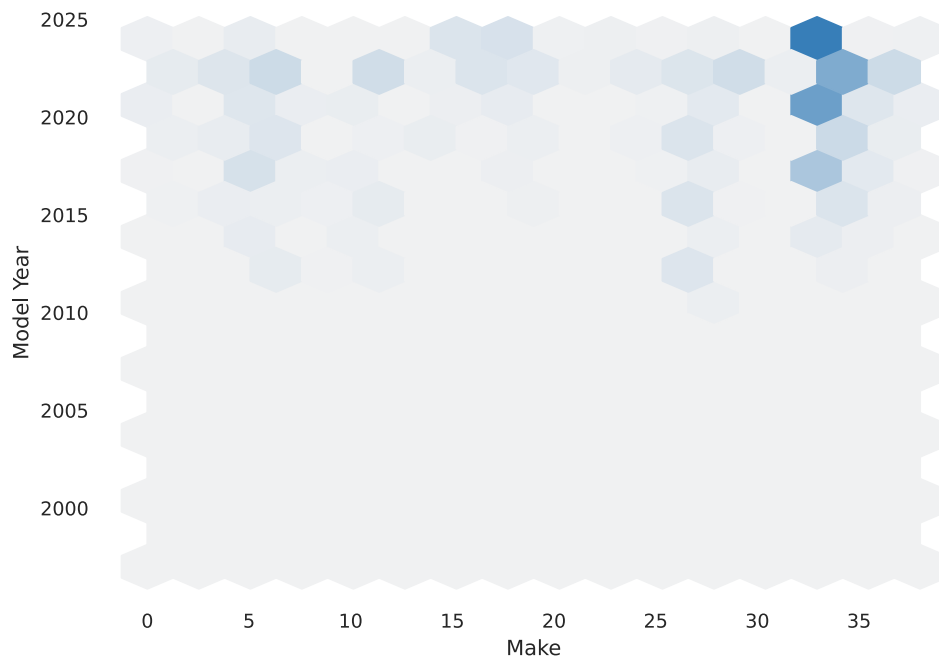


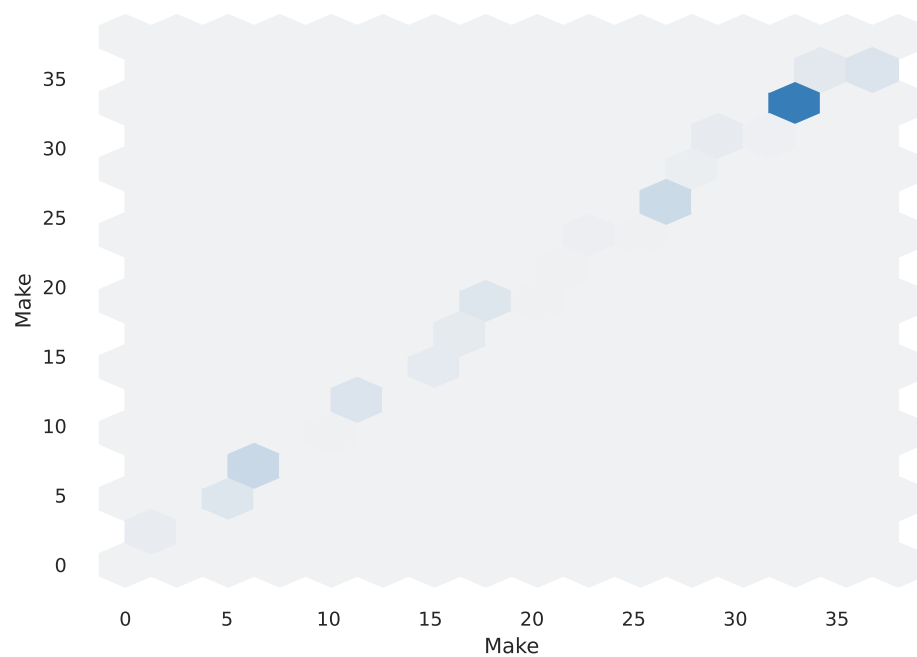


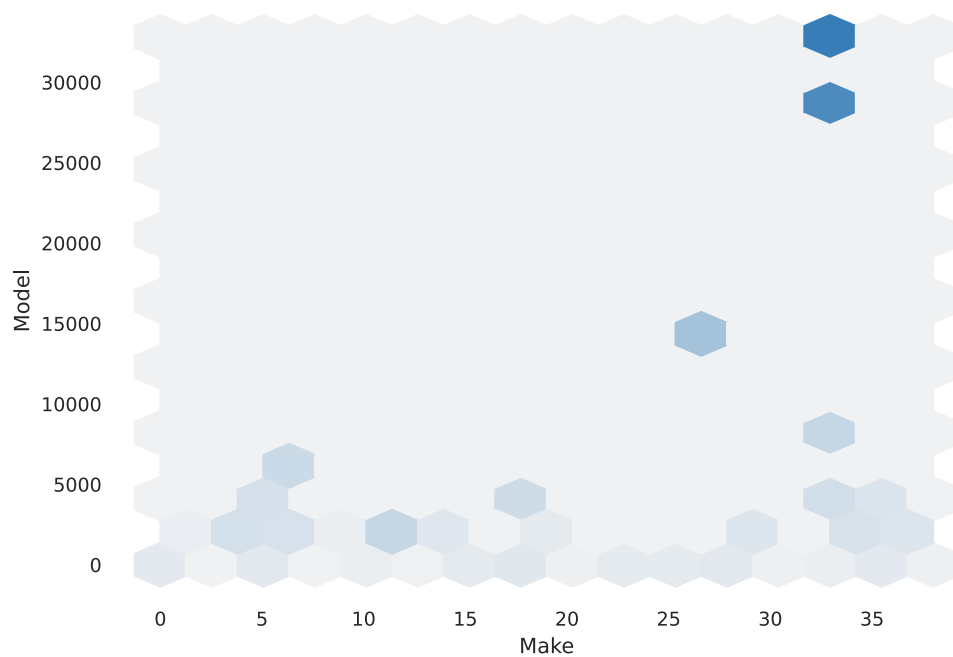


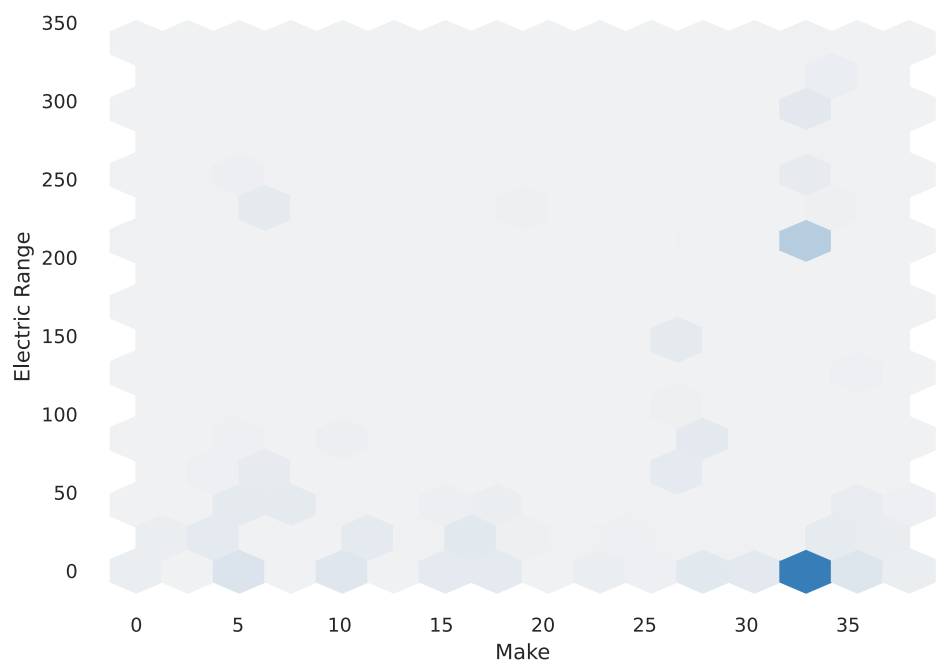


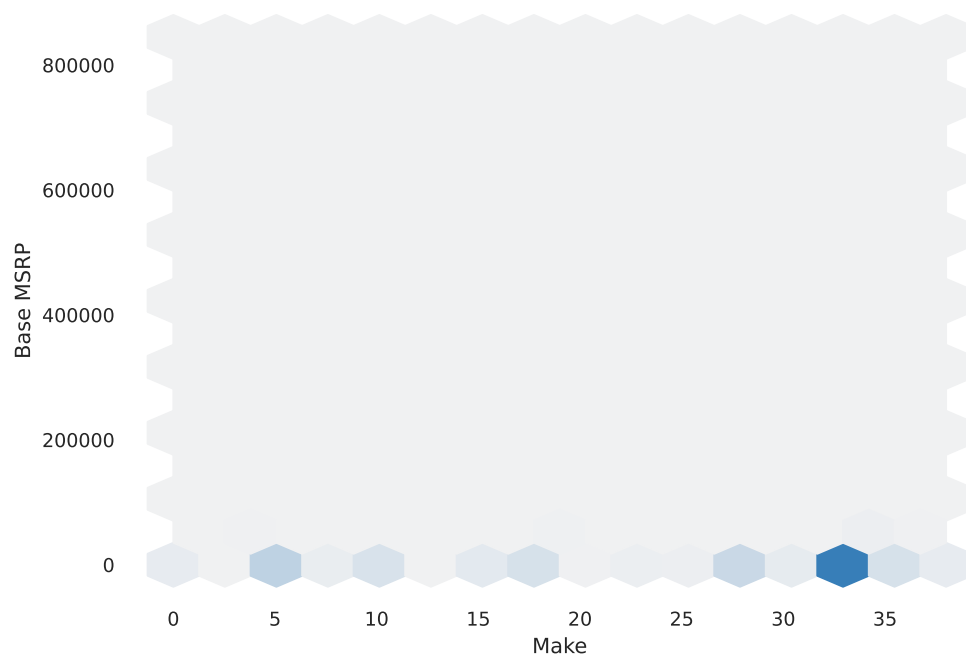


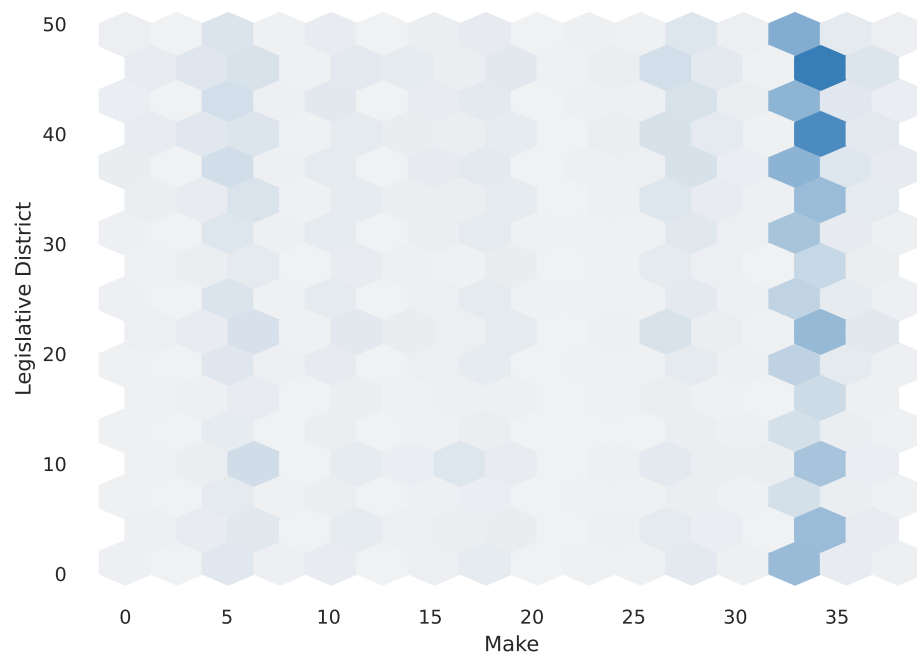


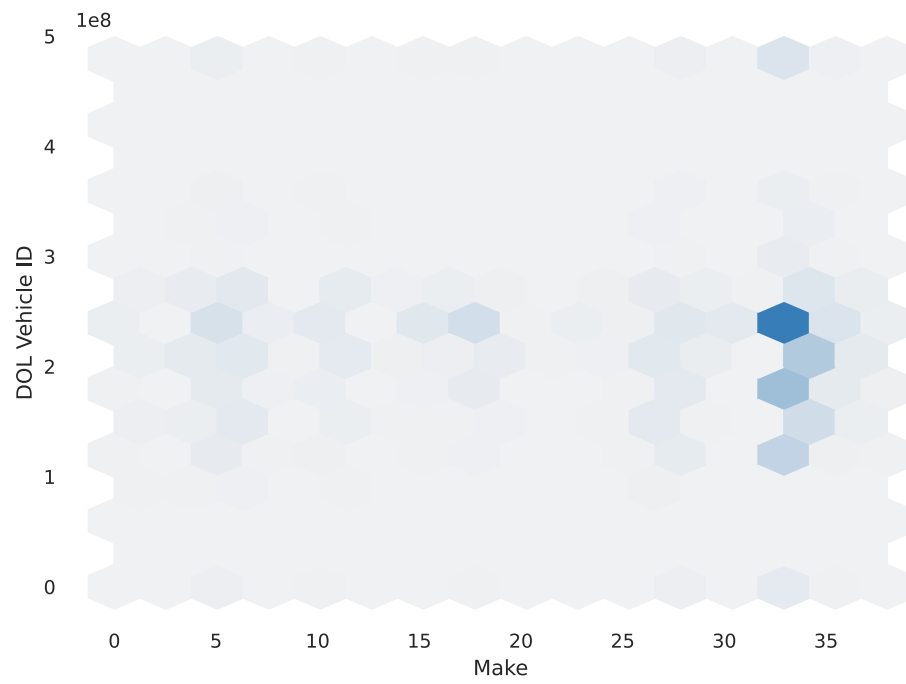


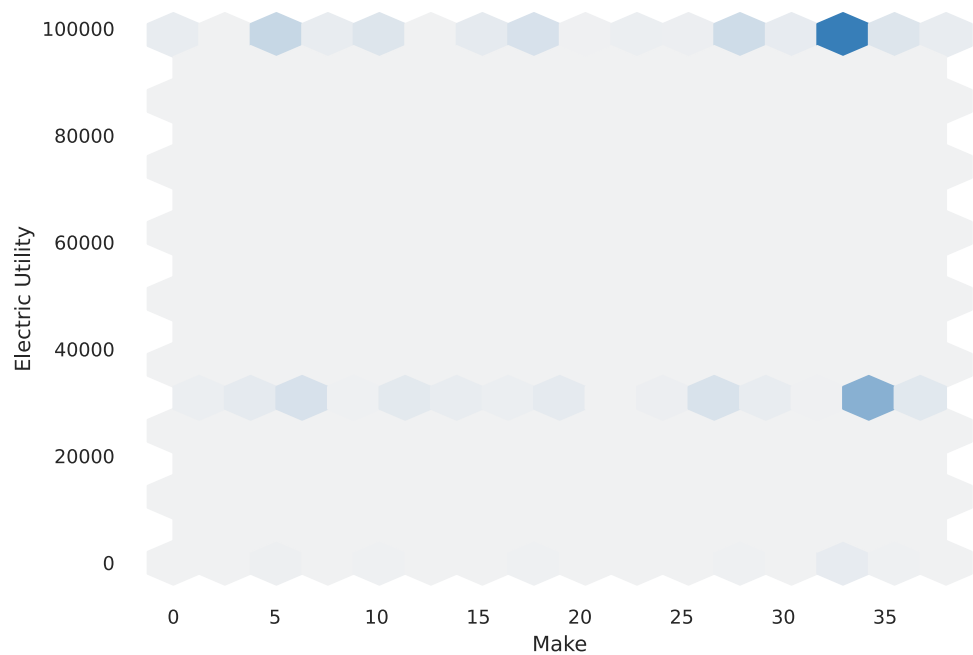


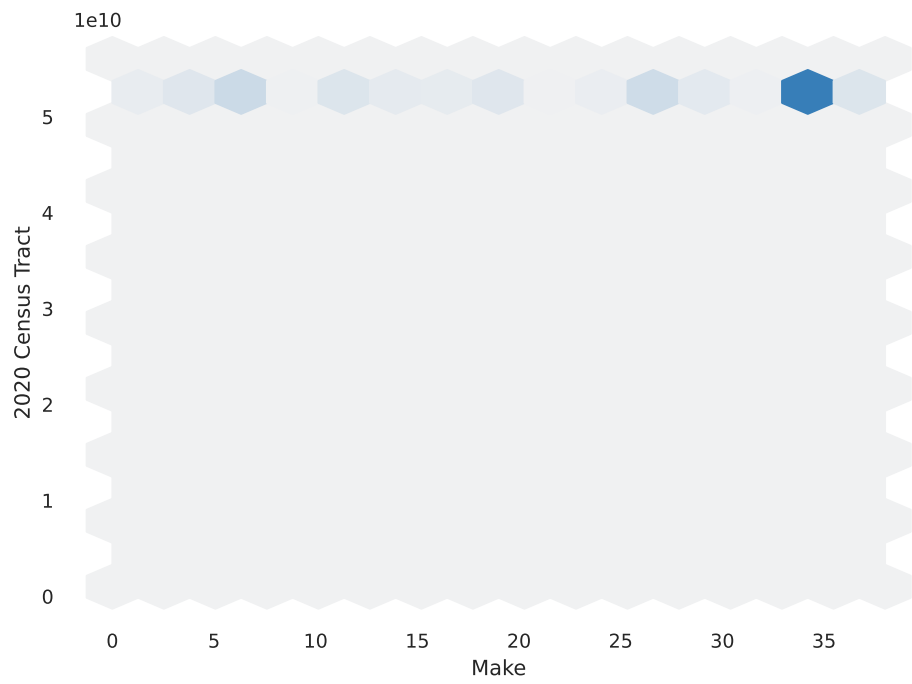


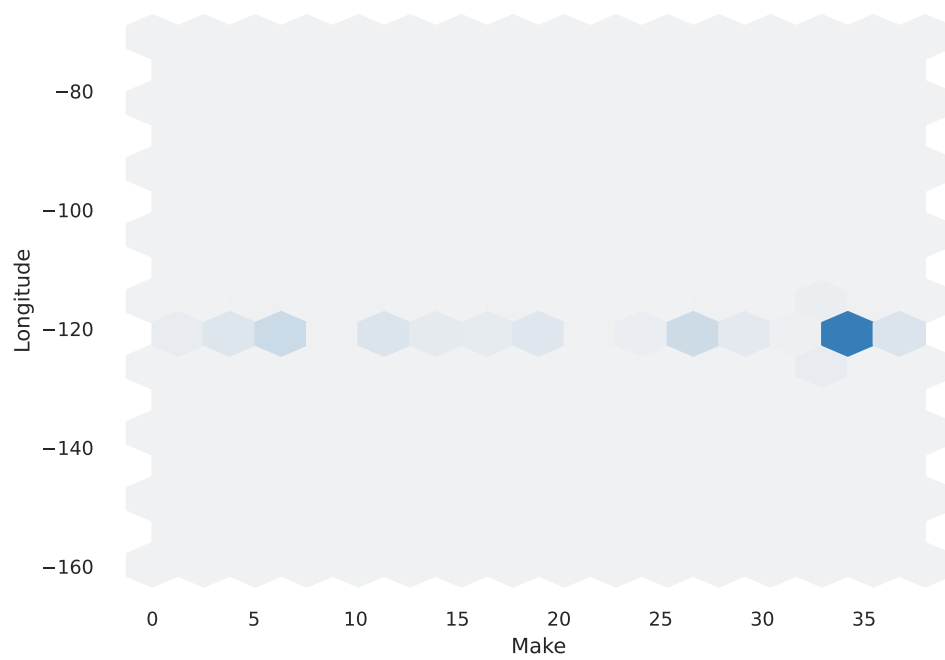




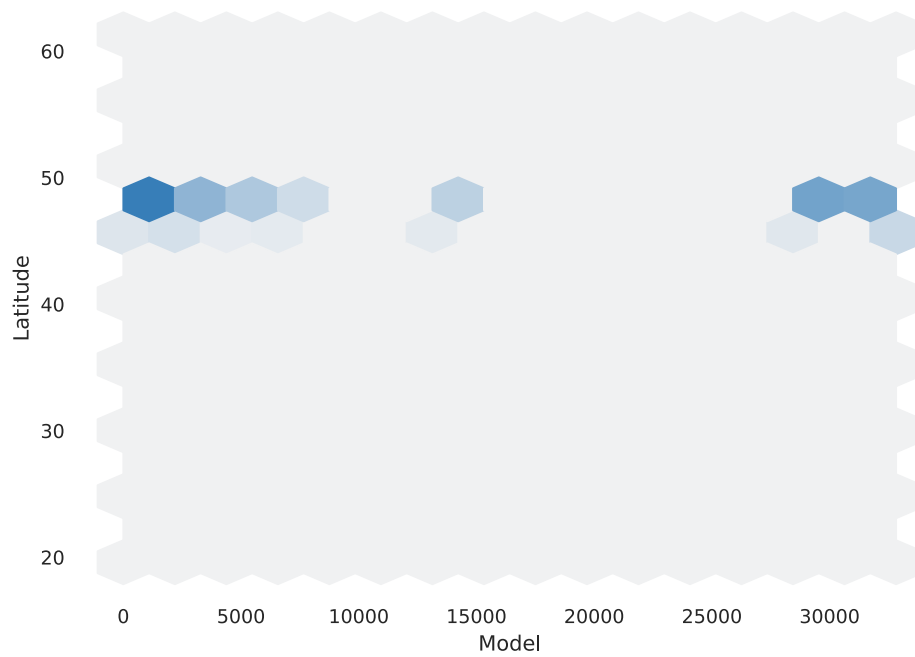


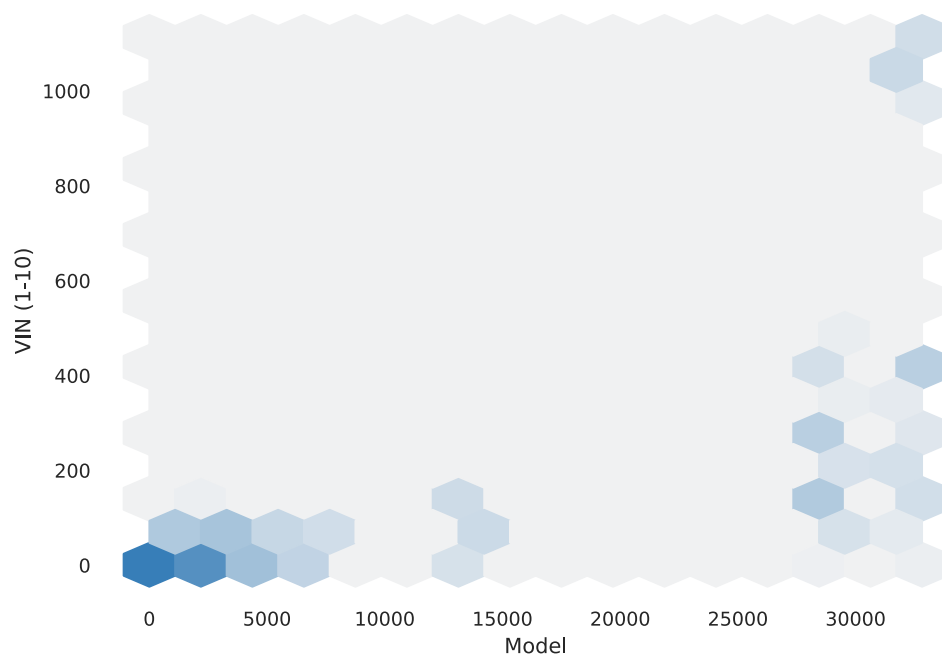


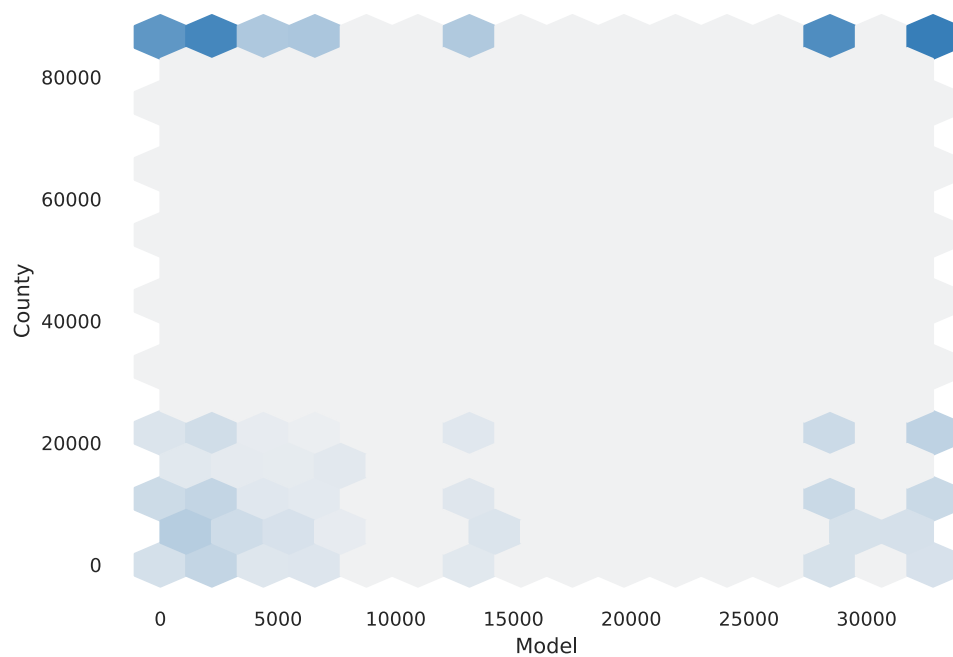


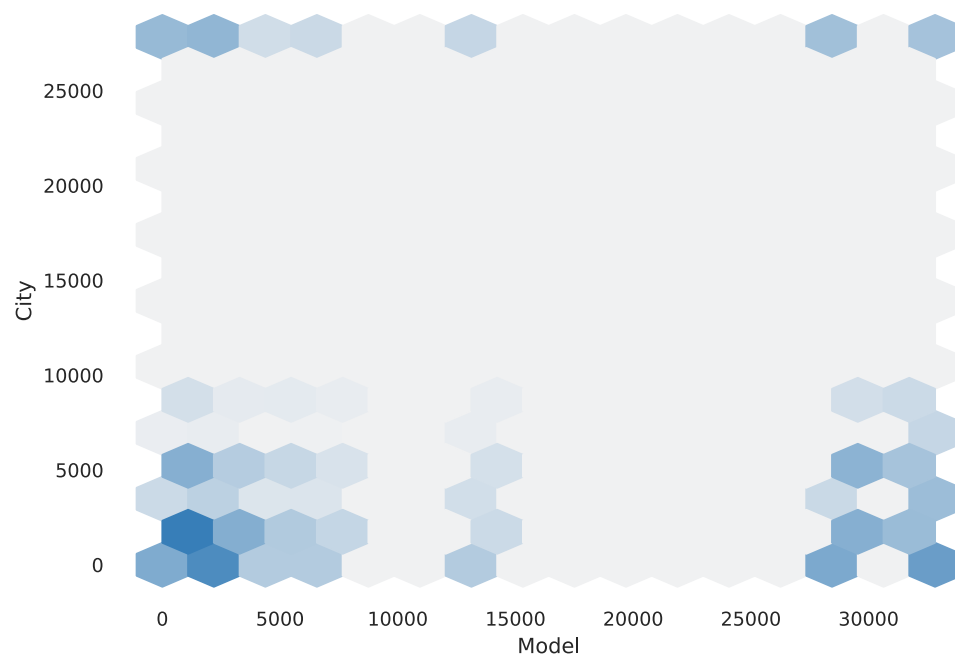


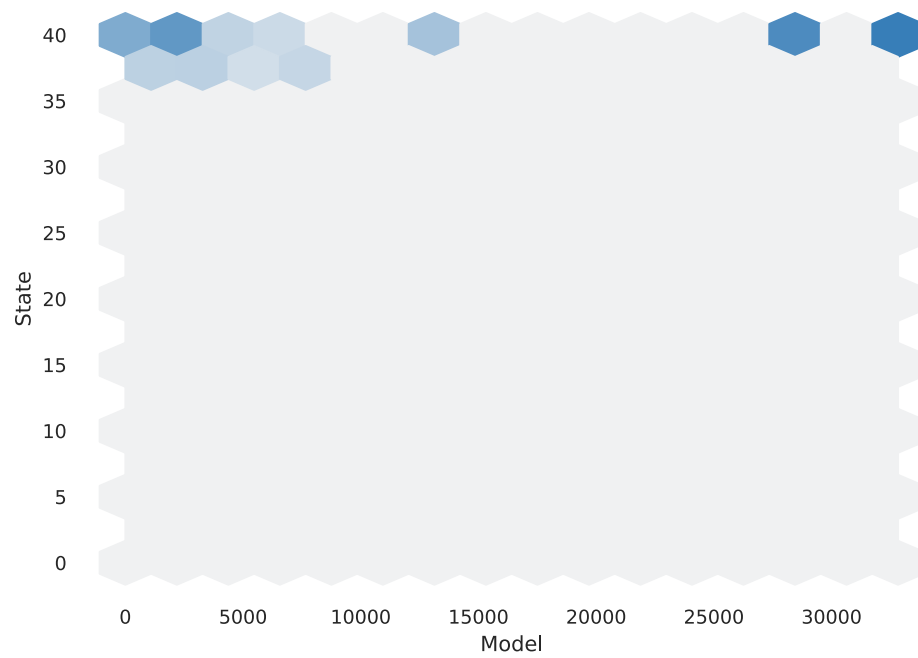
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Longitude

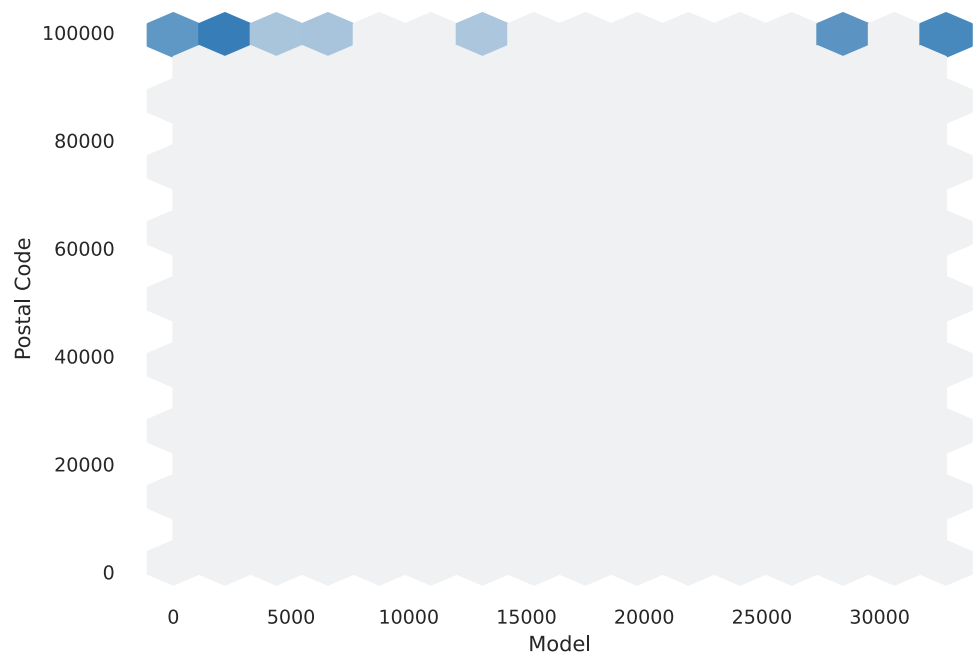


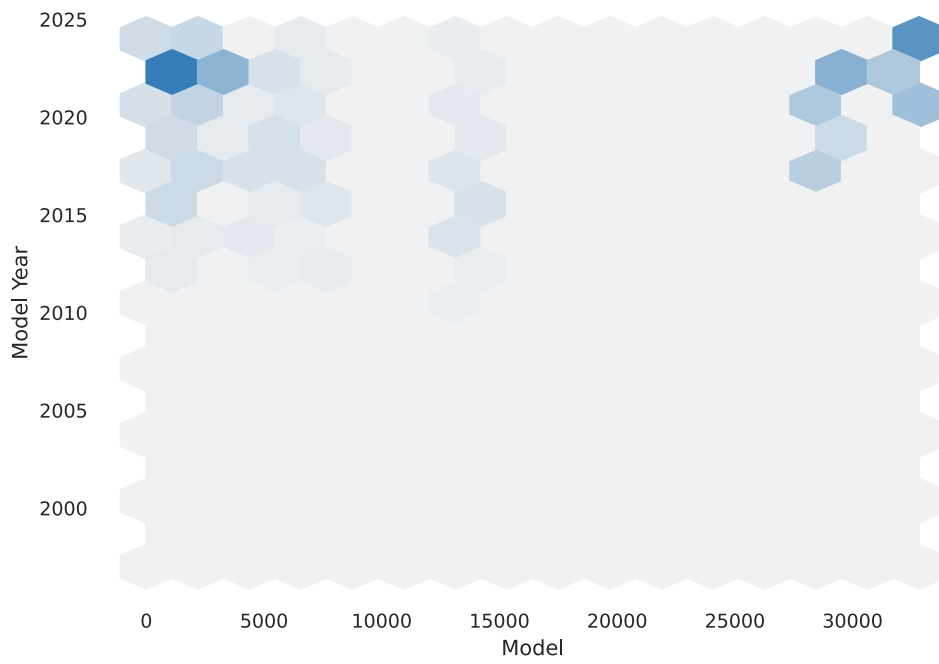


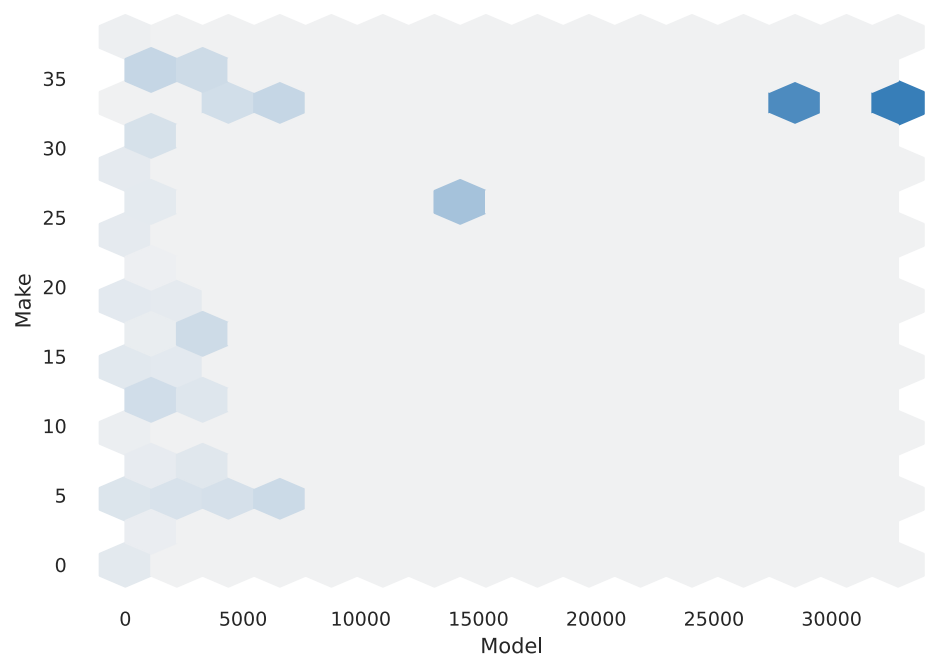


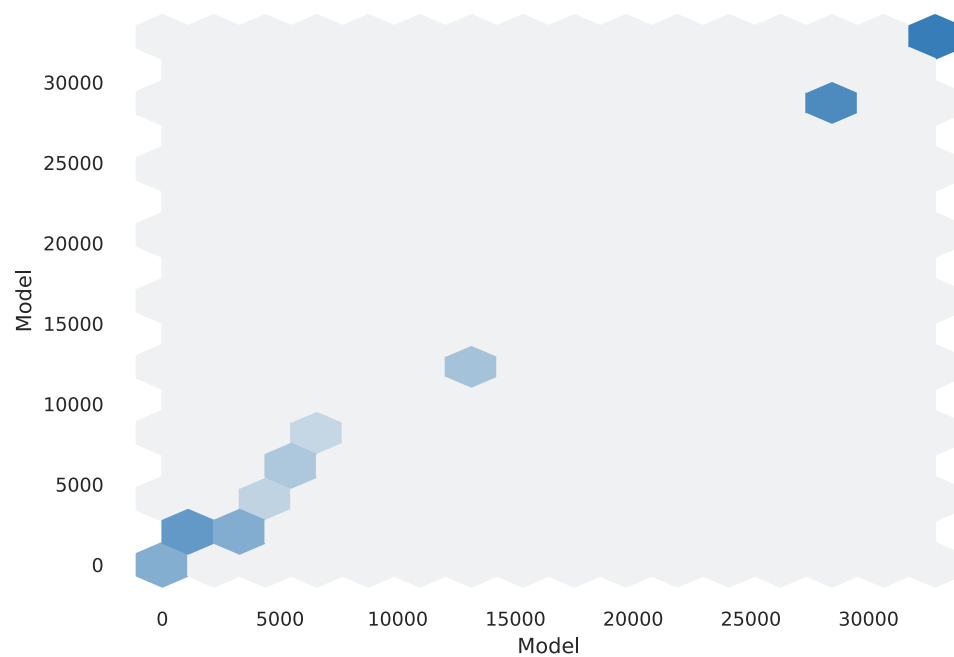


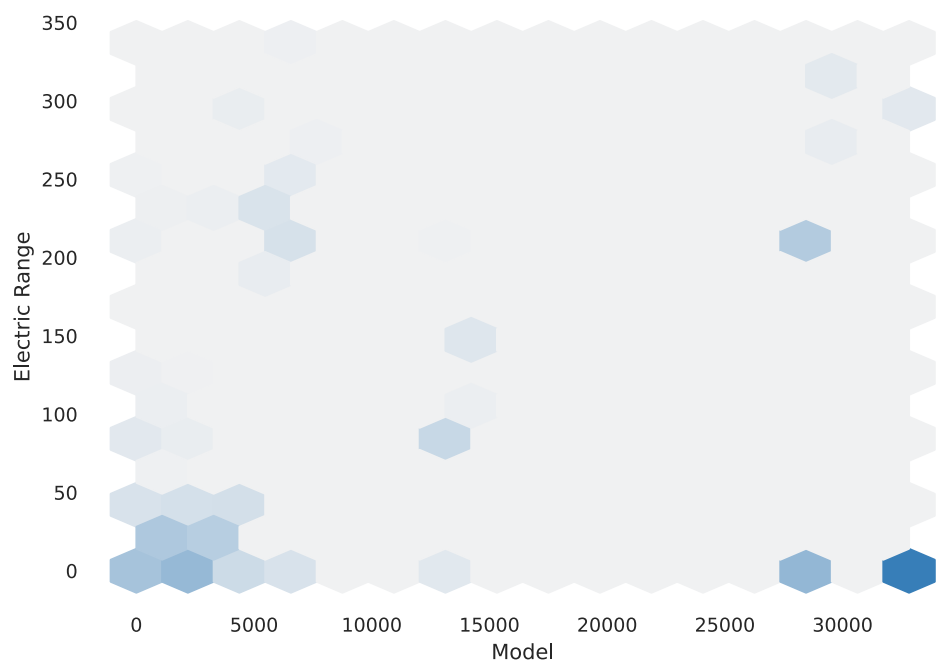


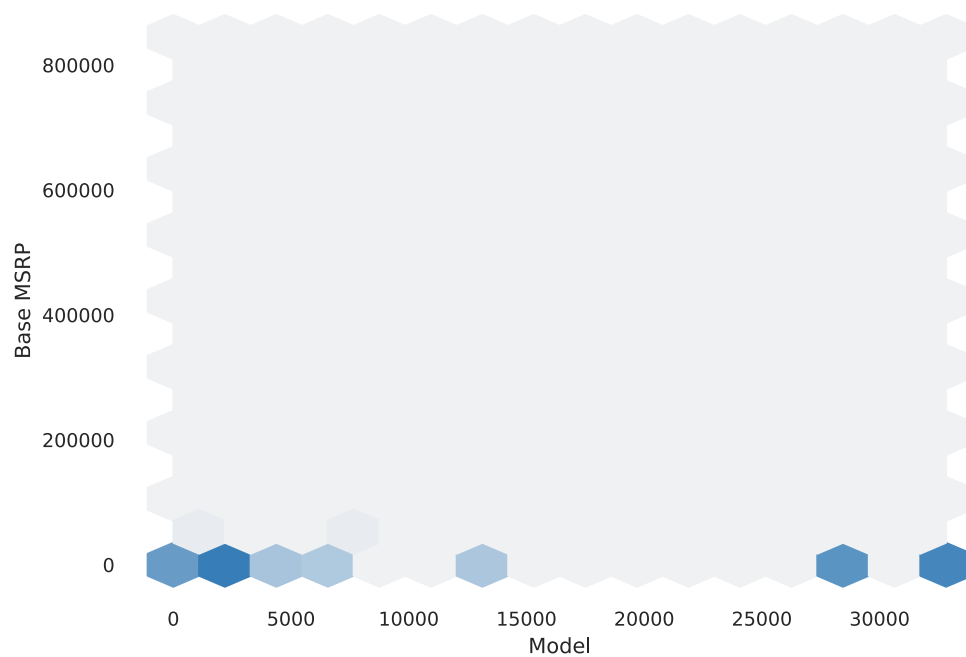


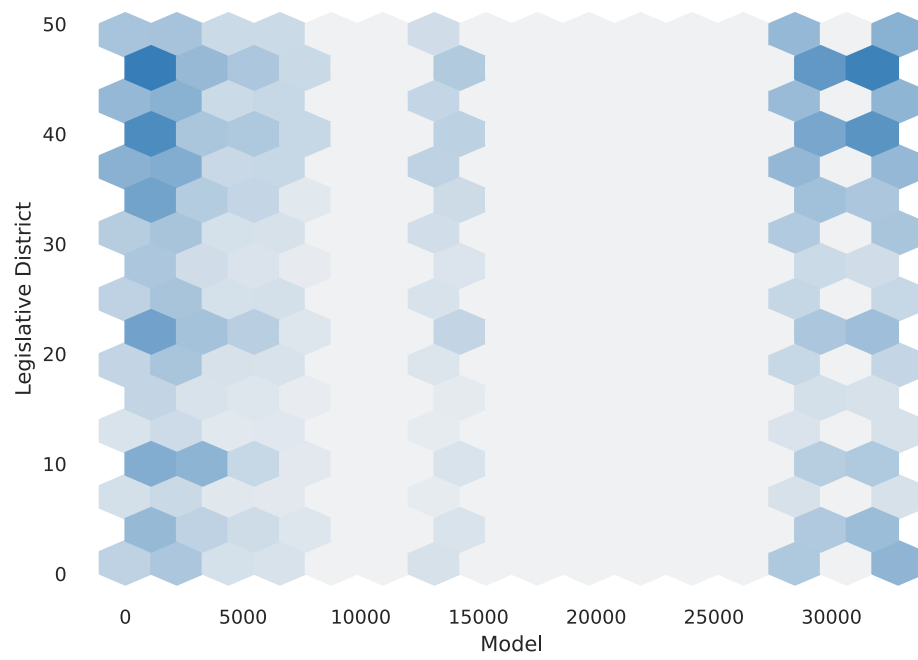


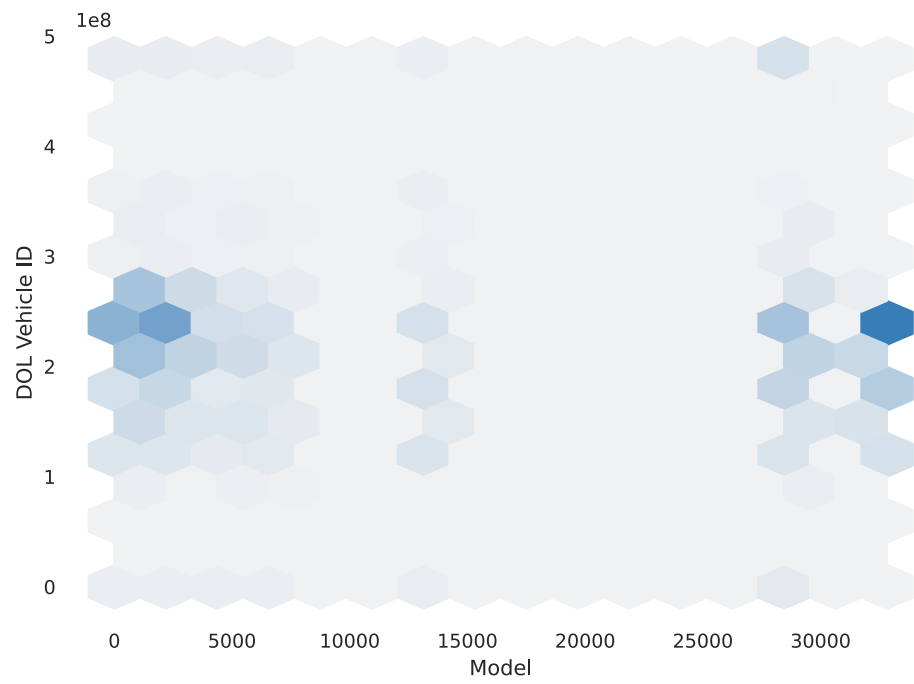


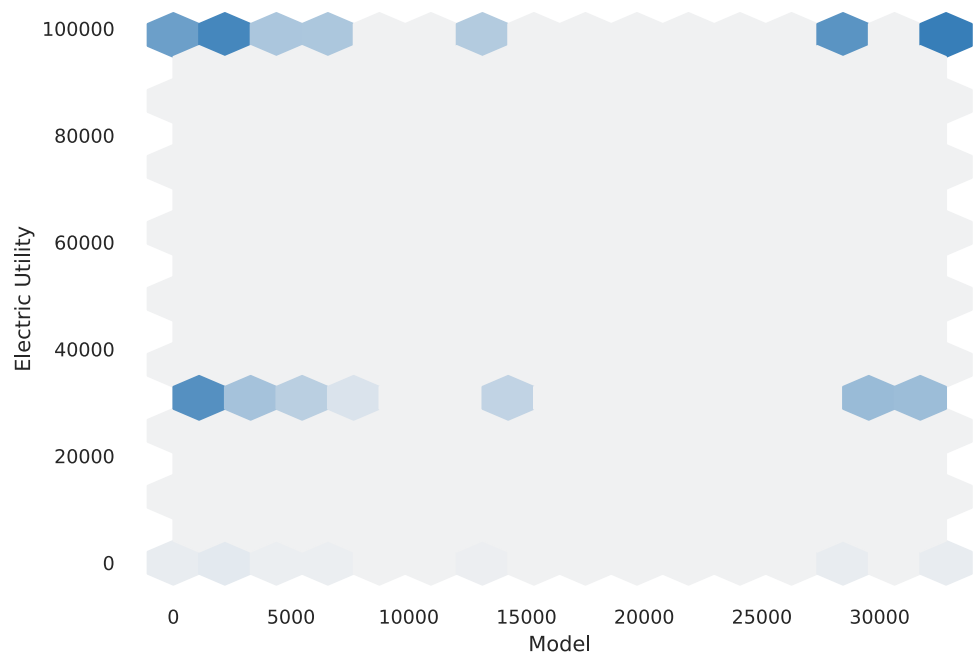


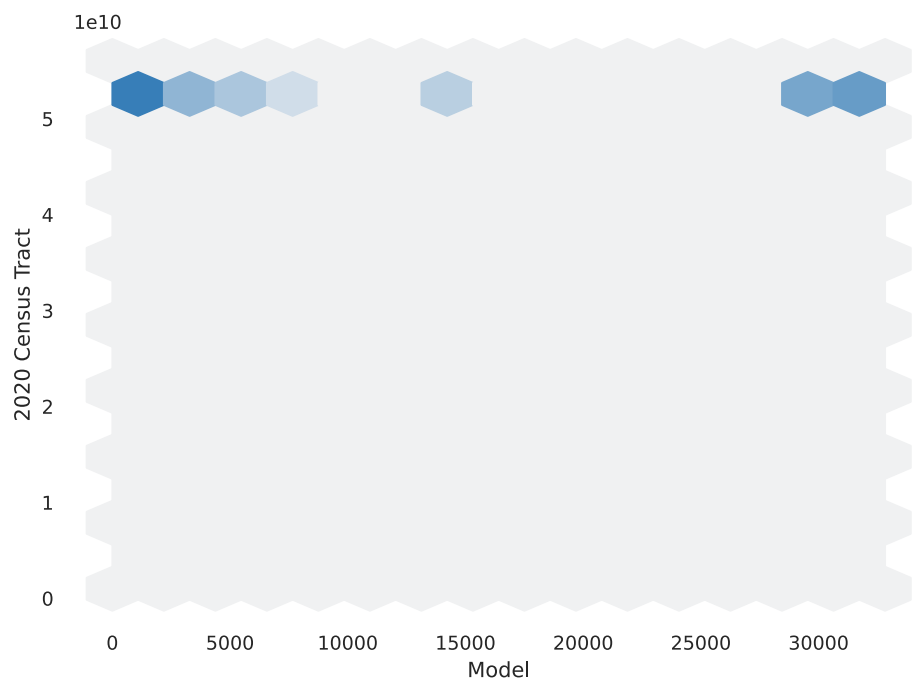


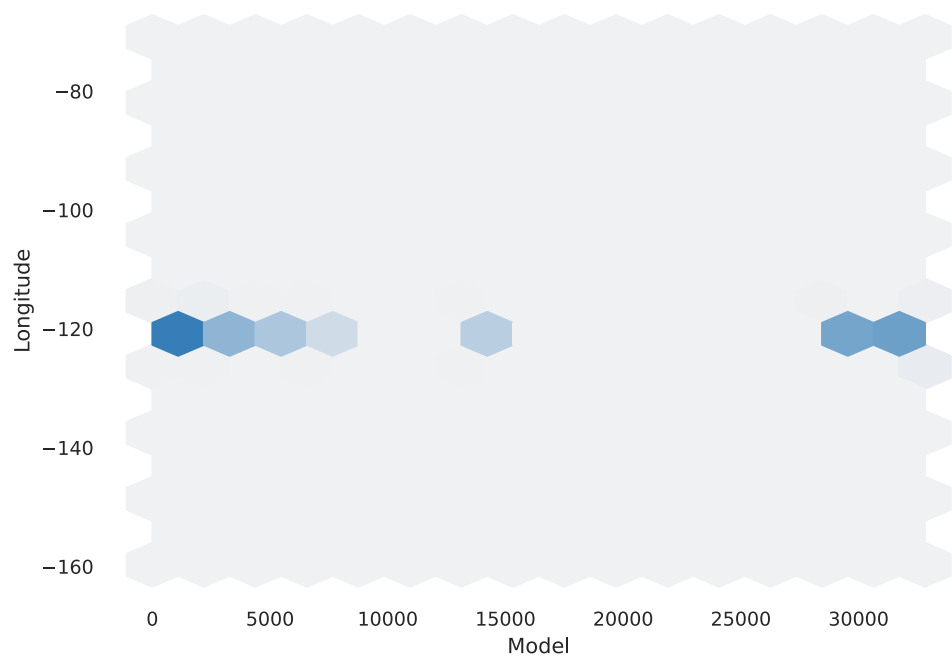




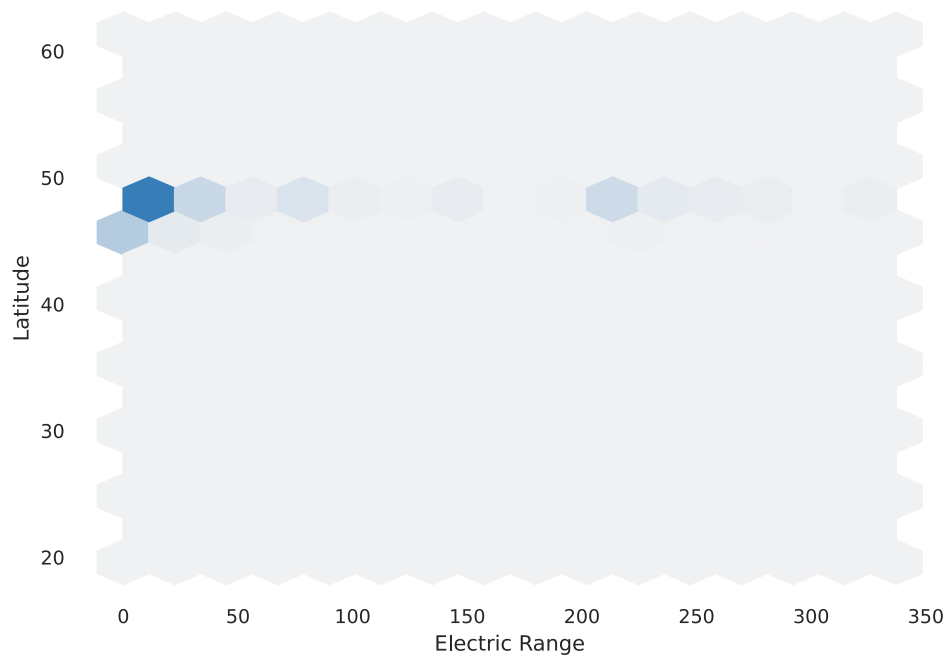


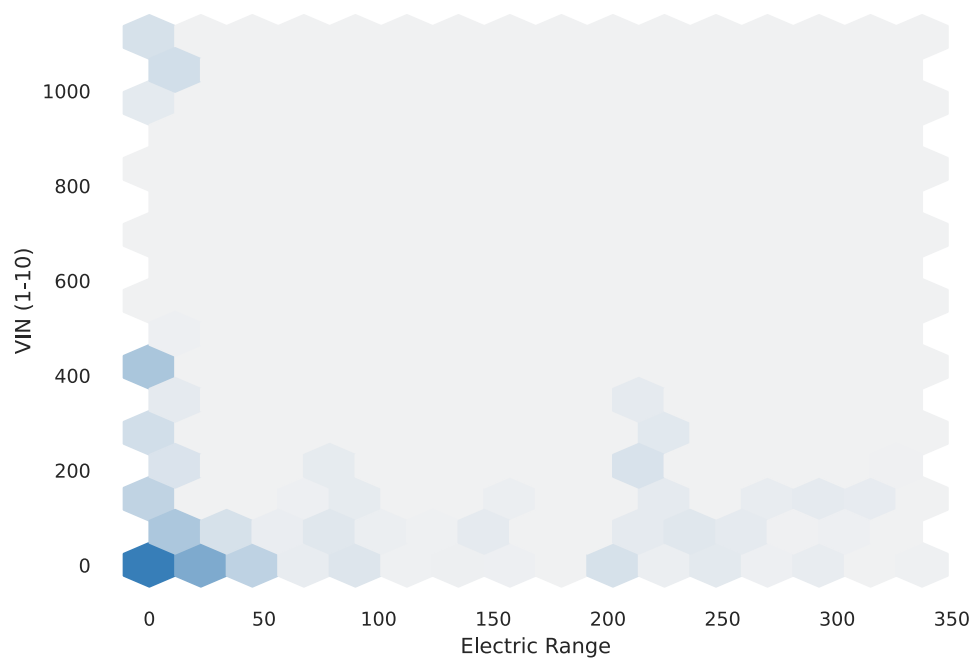


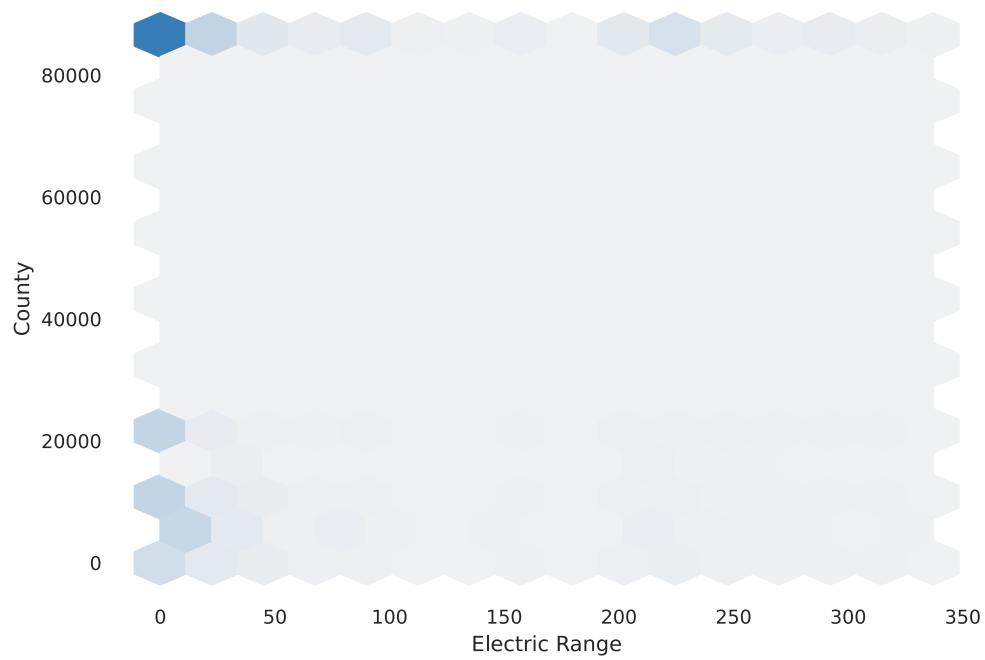


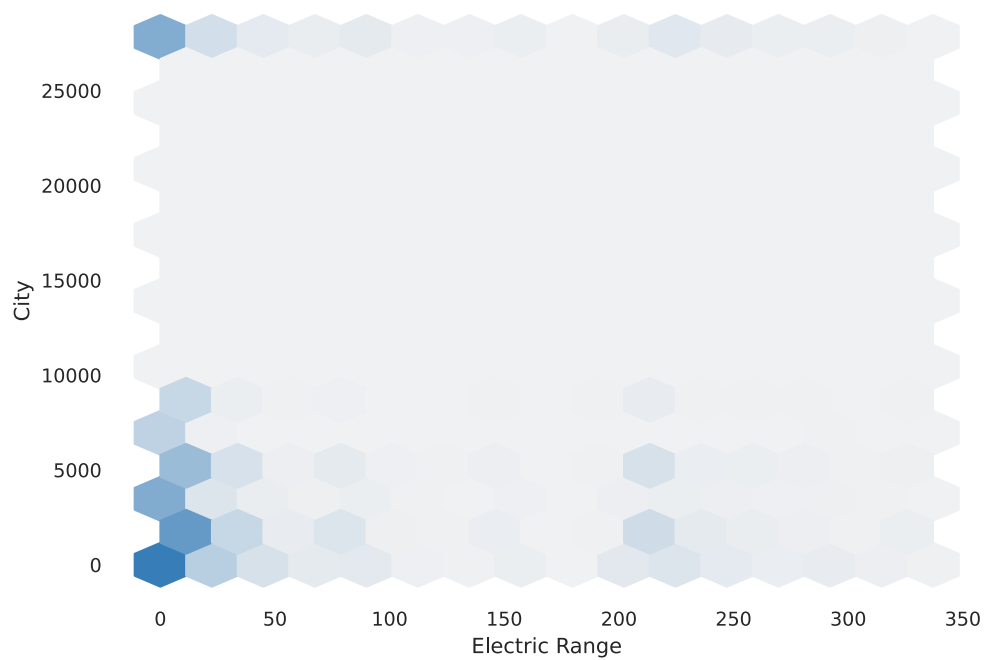


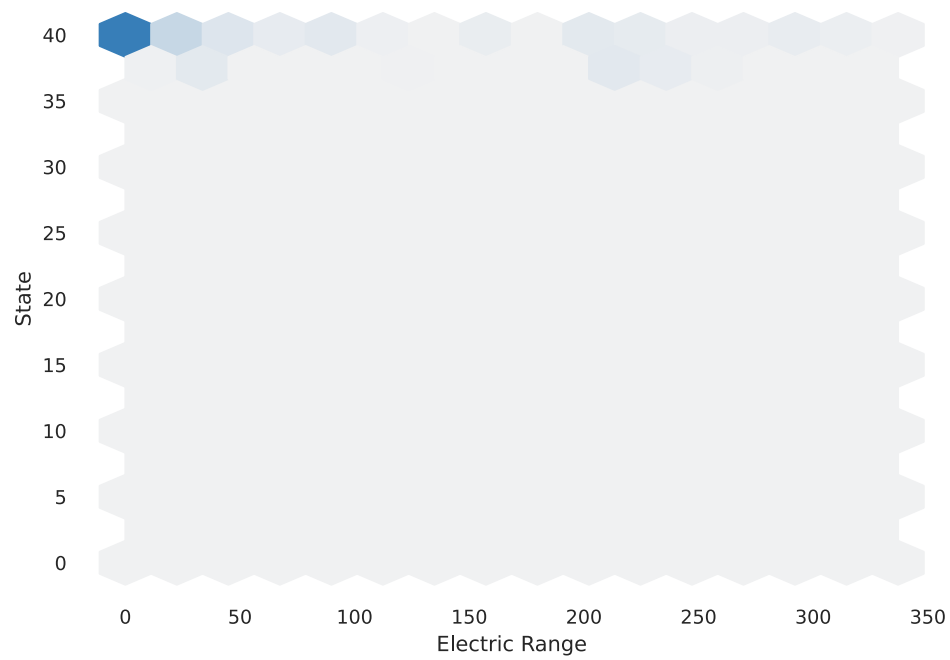
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Longitude

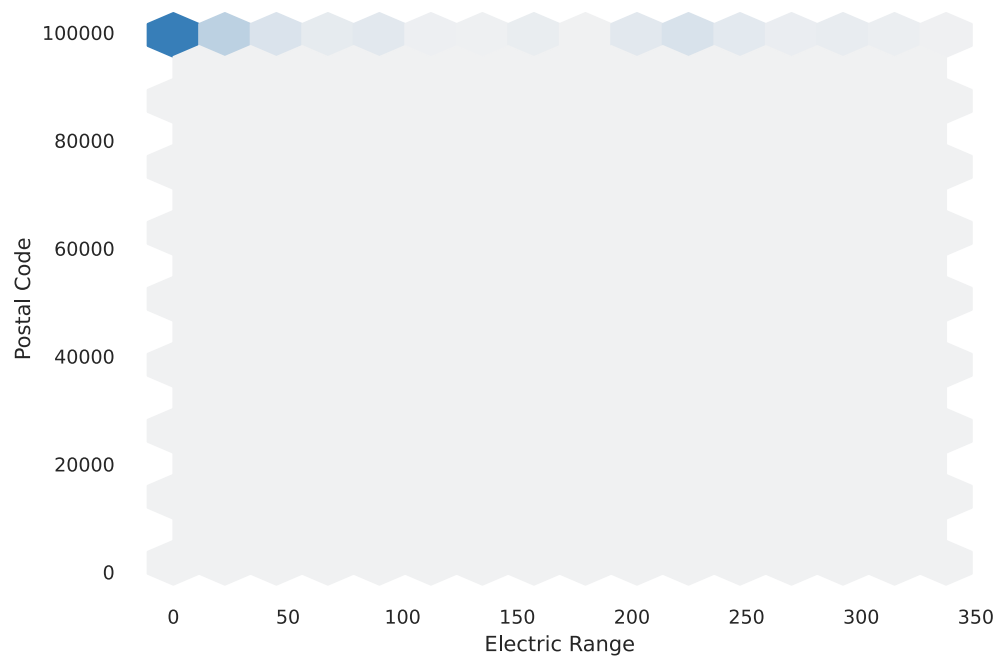


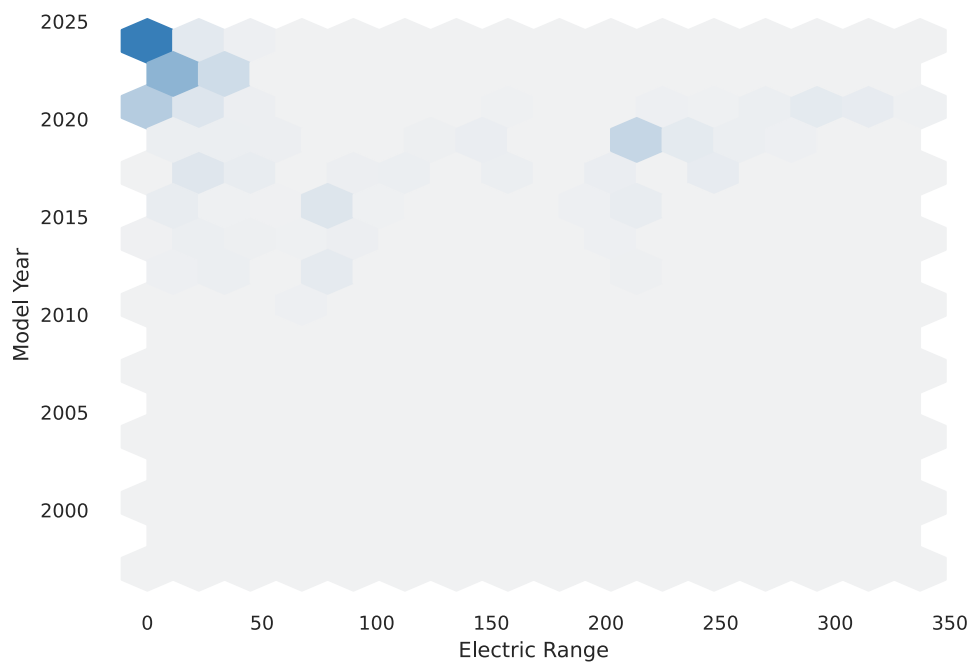


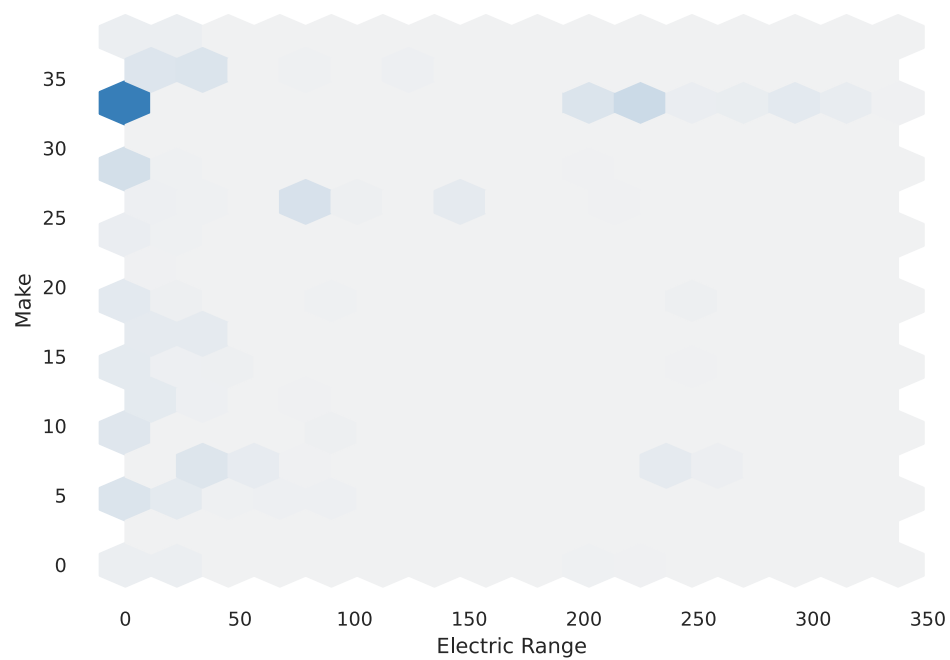


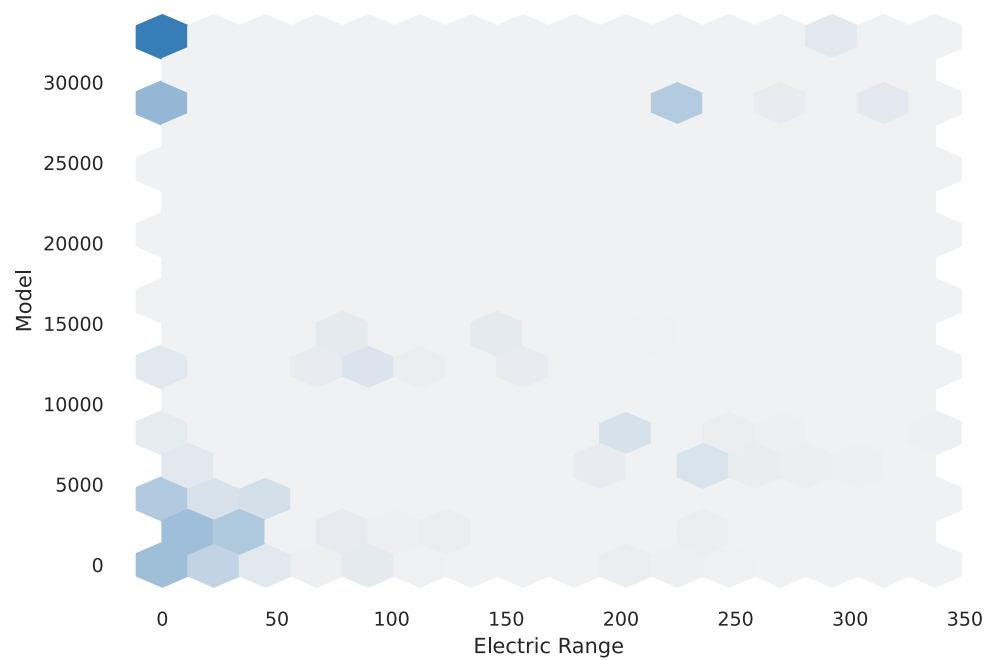


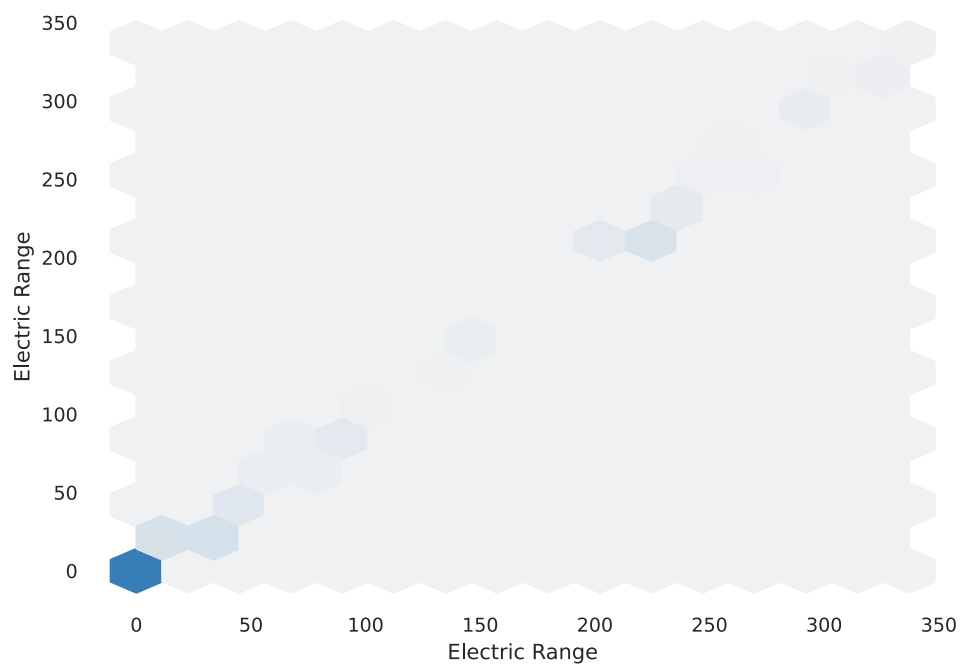


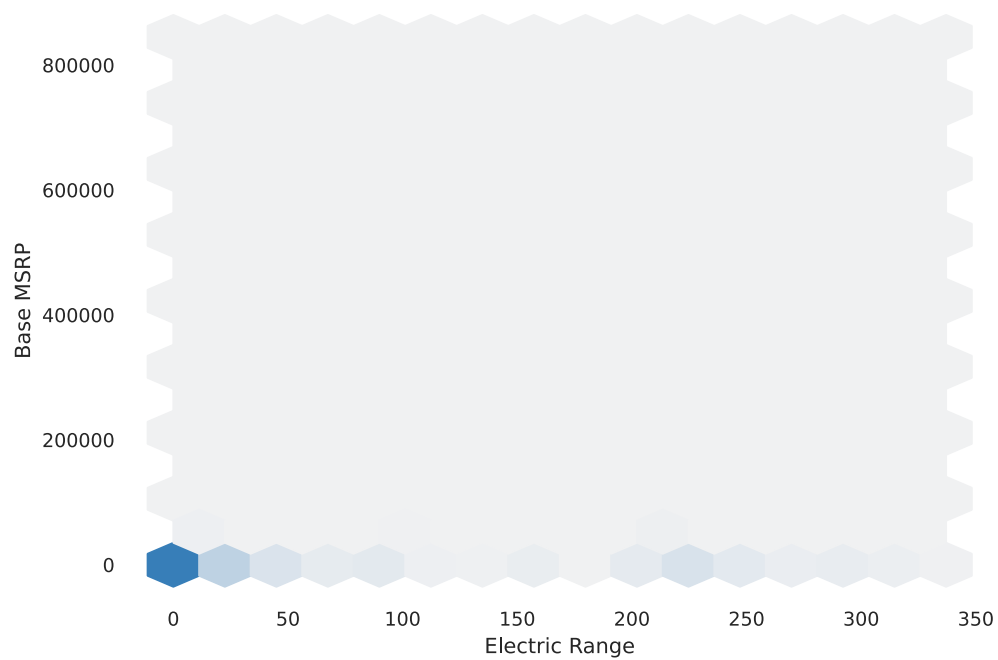


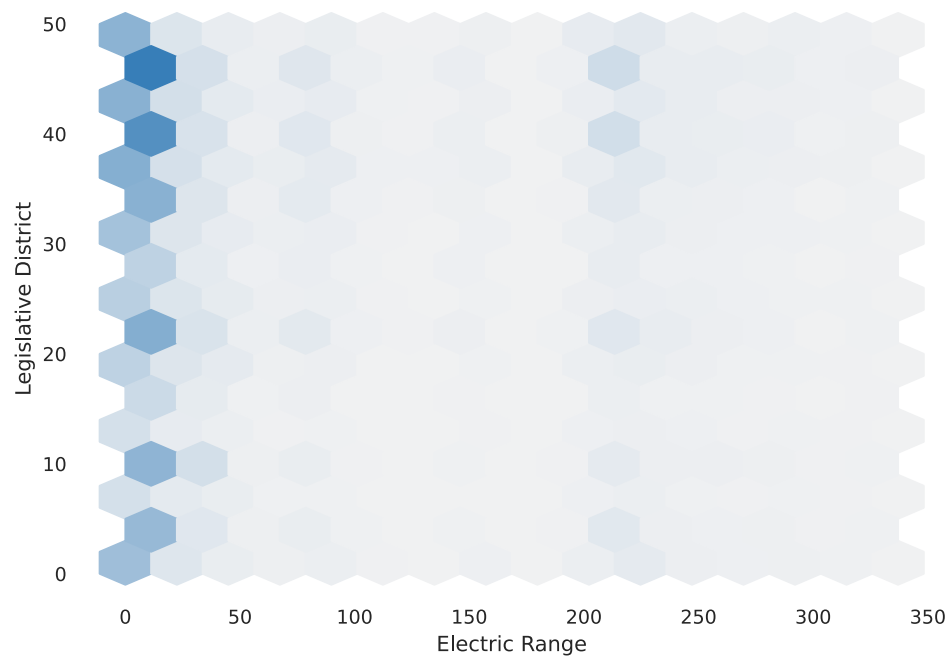


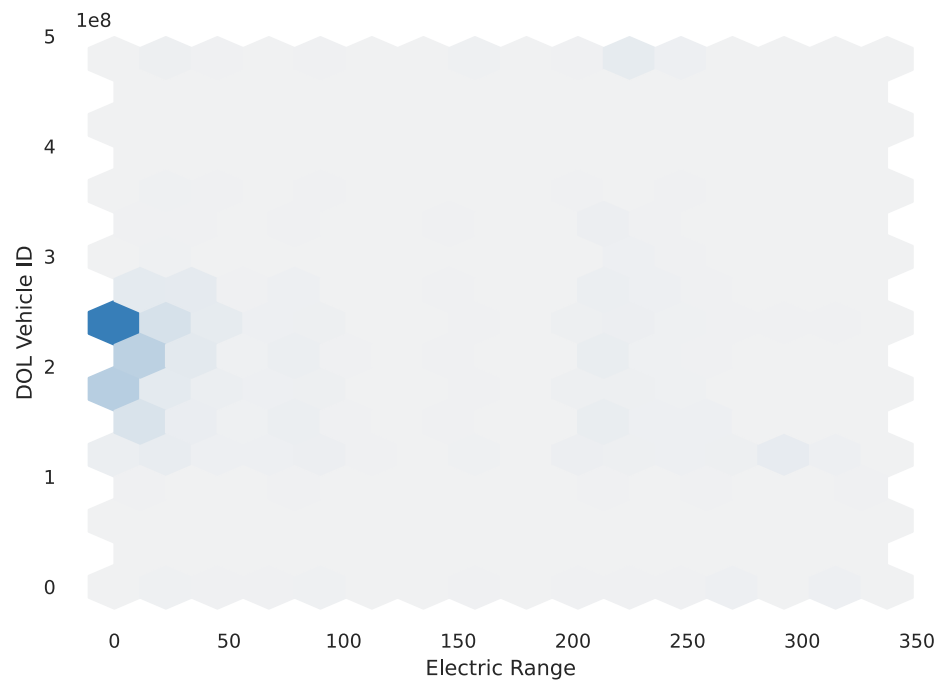


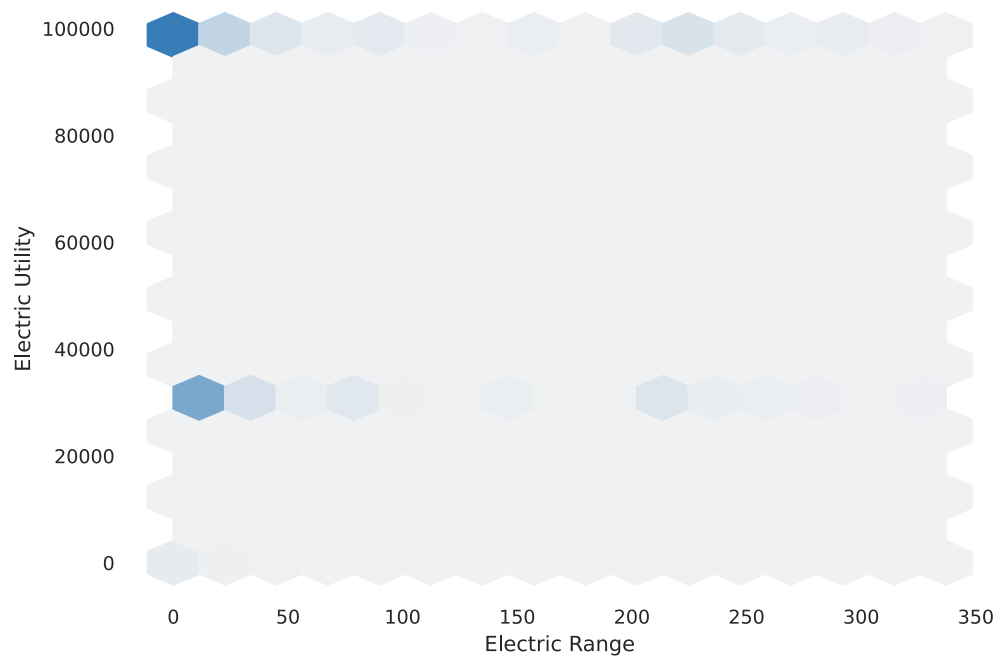


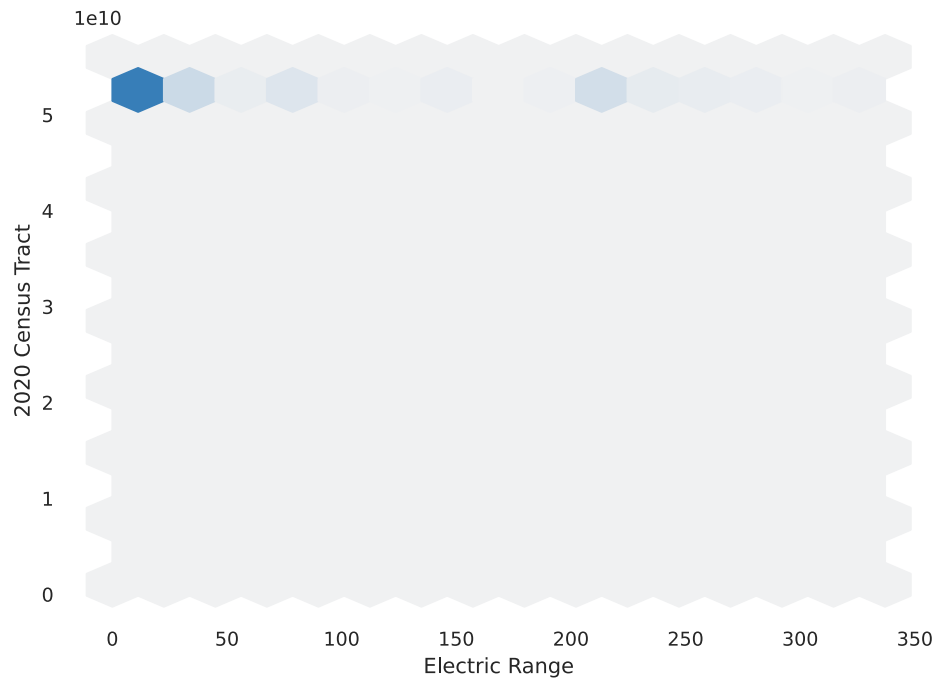


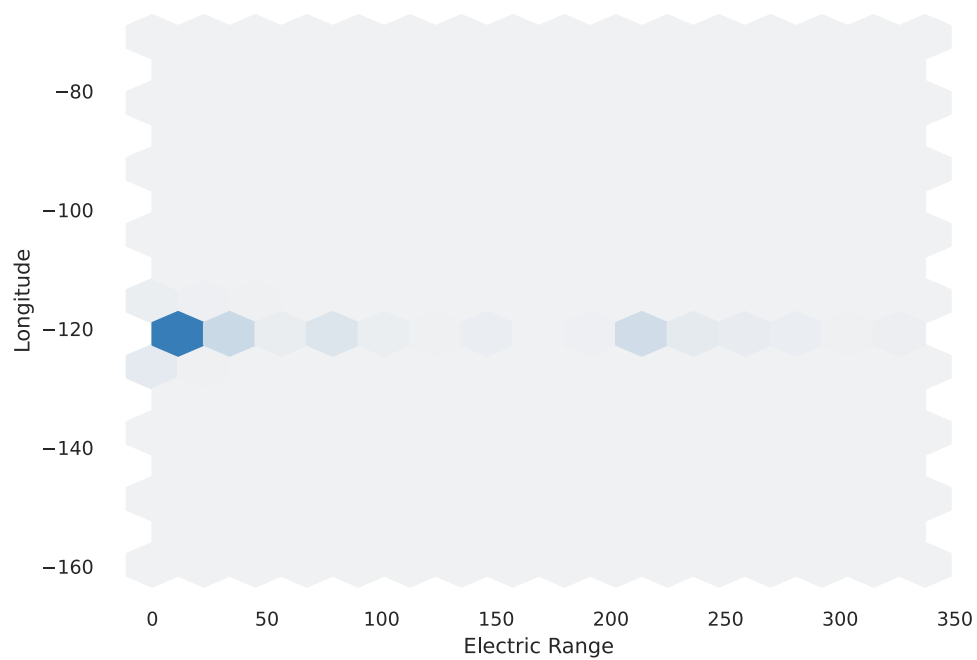




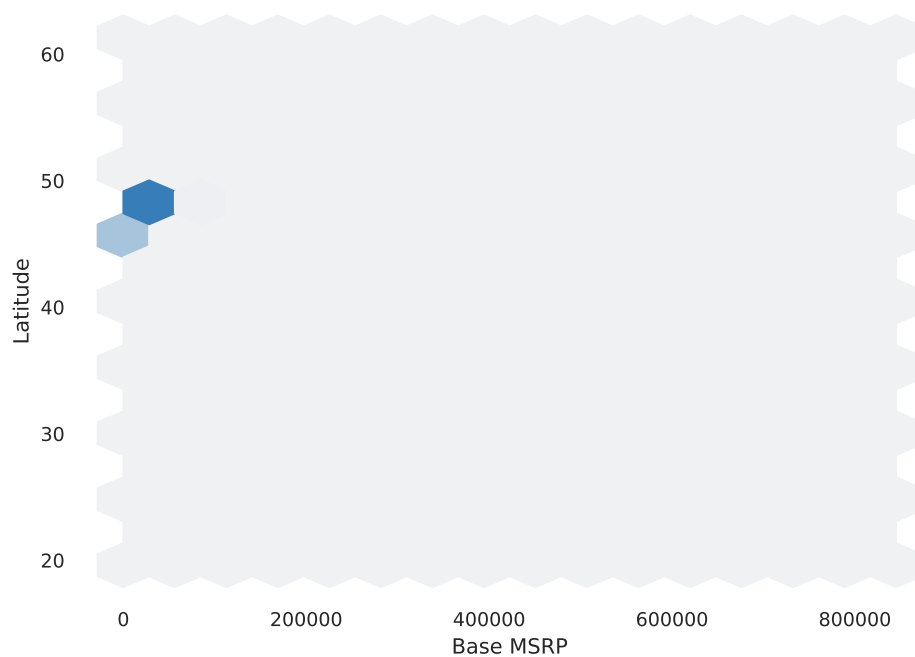


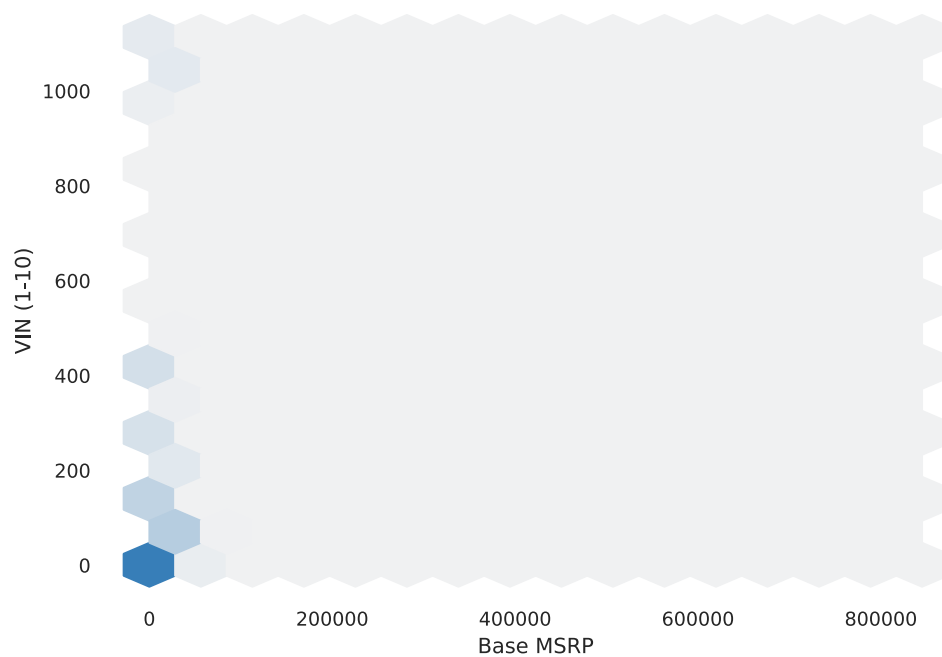


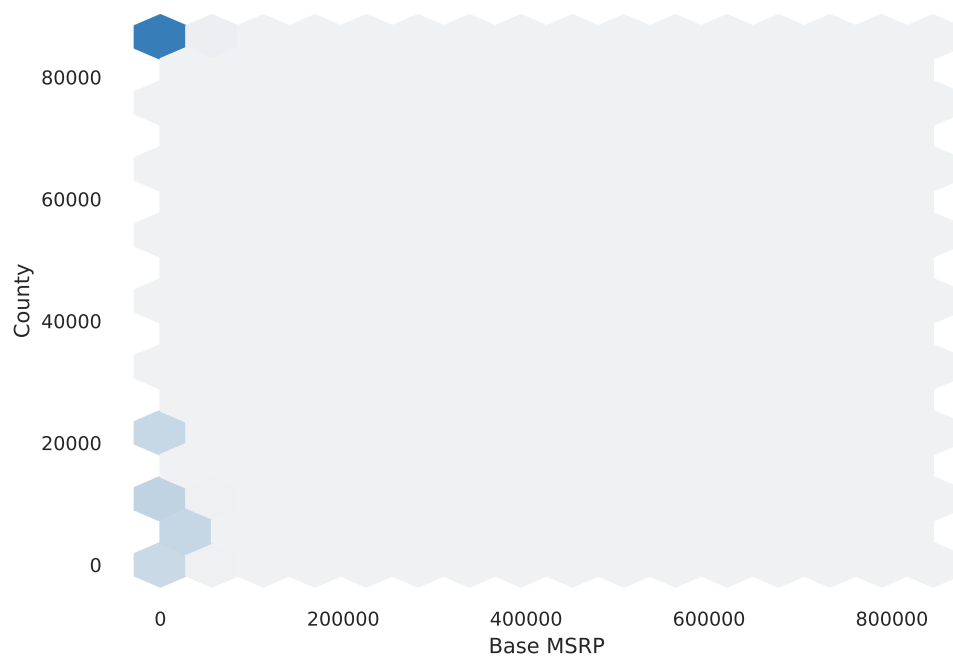


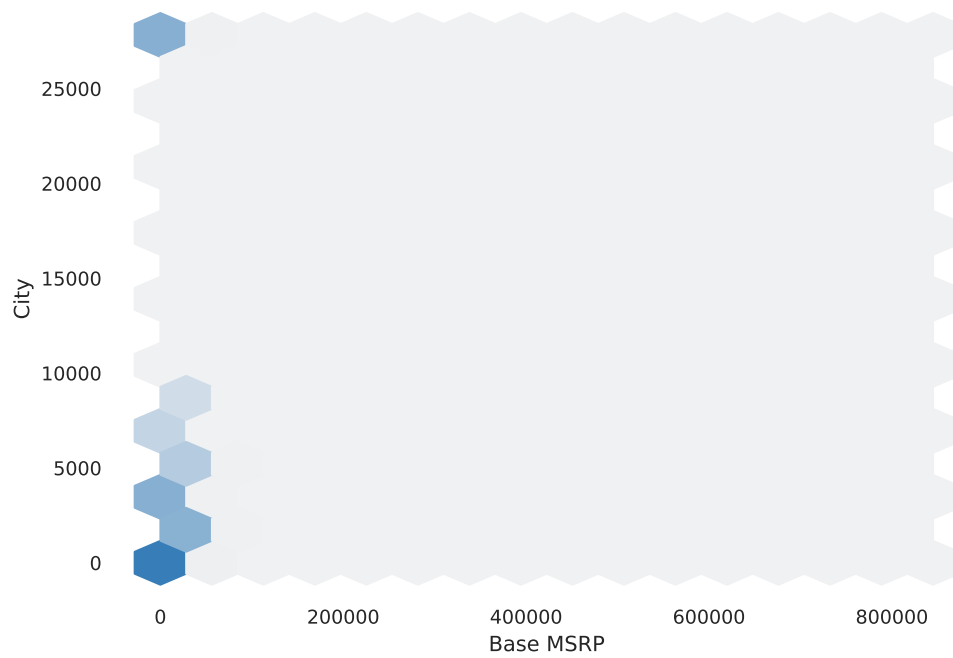


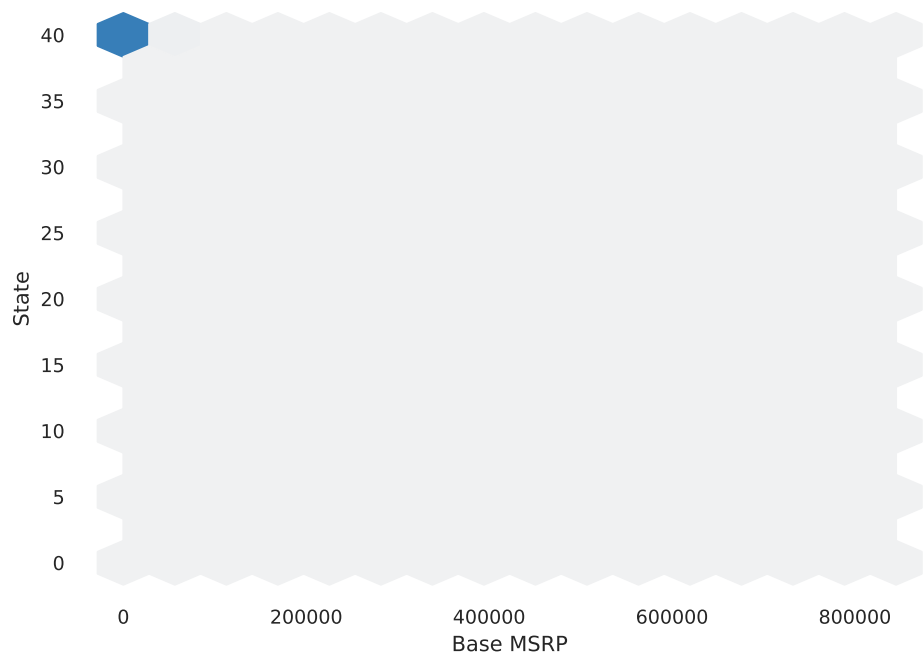
Latitude
VIN (1-10)
County
City
State
Postal Code
Model Year
Make
Model
Electric Range
Base MSRP
Legislative District
DOL Vehicle ID
Electric Utility
2020 Census Tract
Longitude

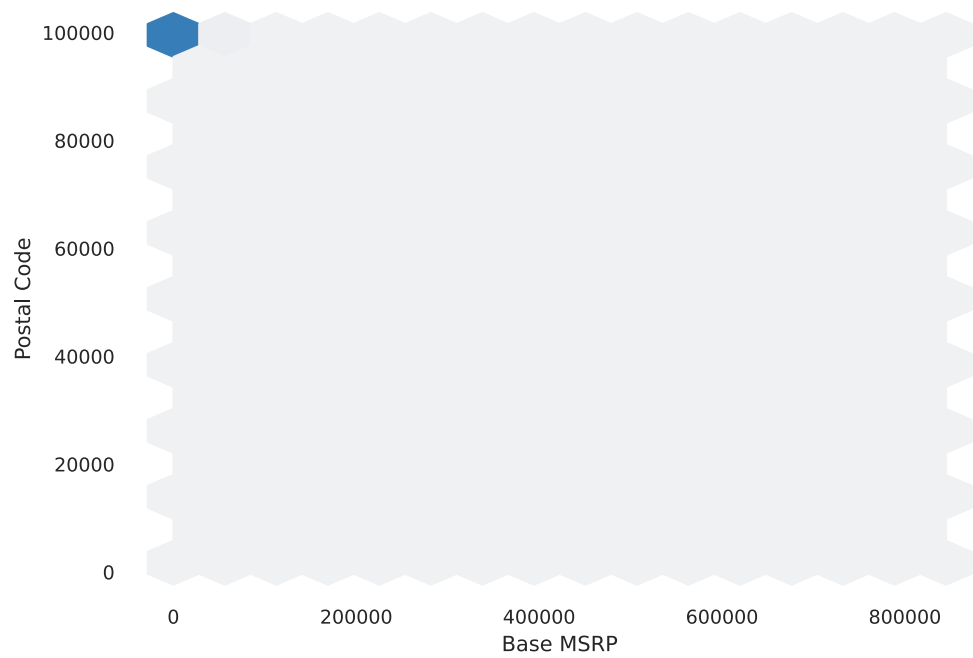


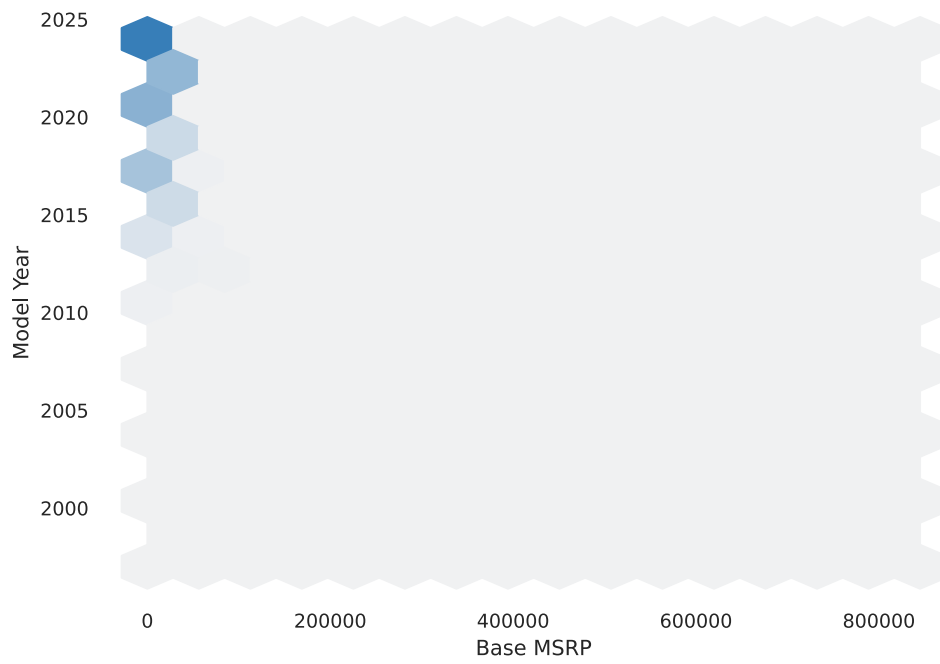


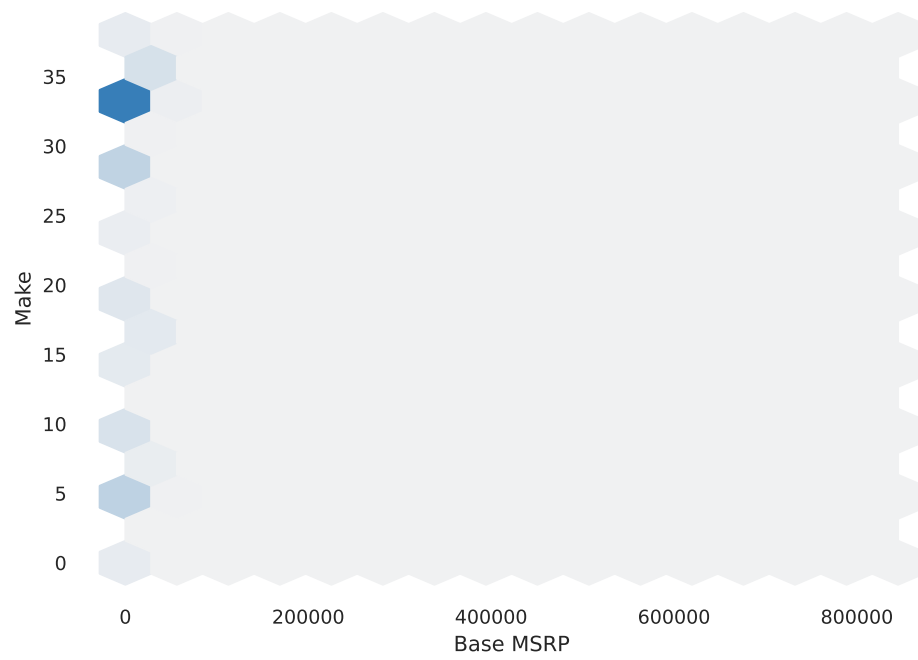


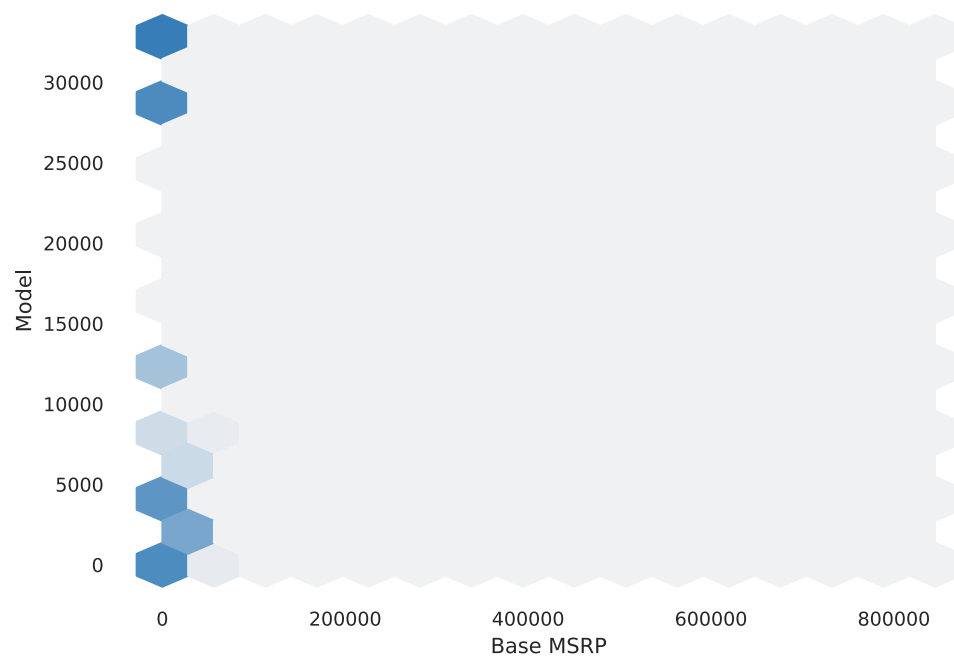


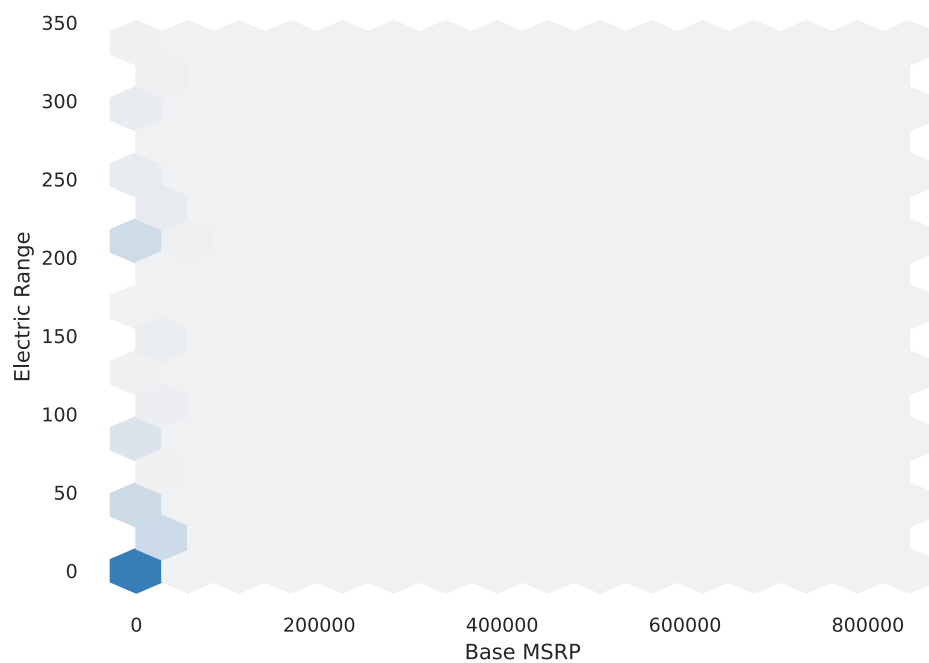


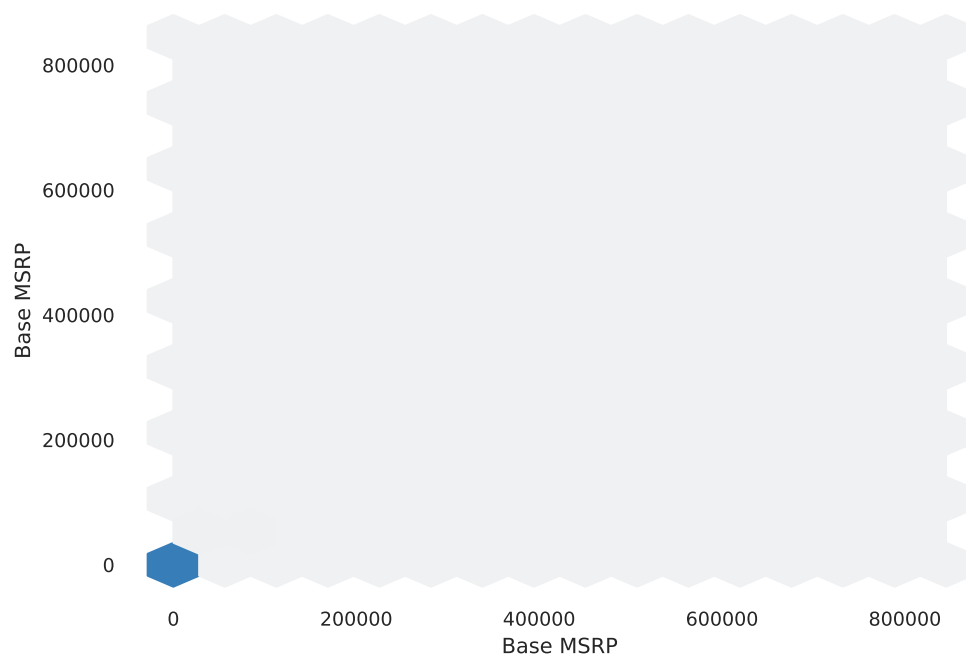


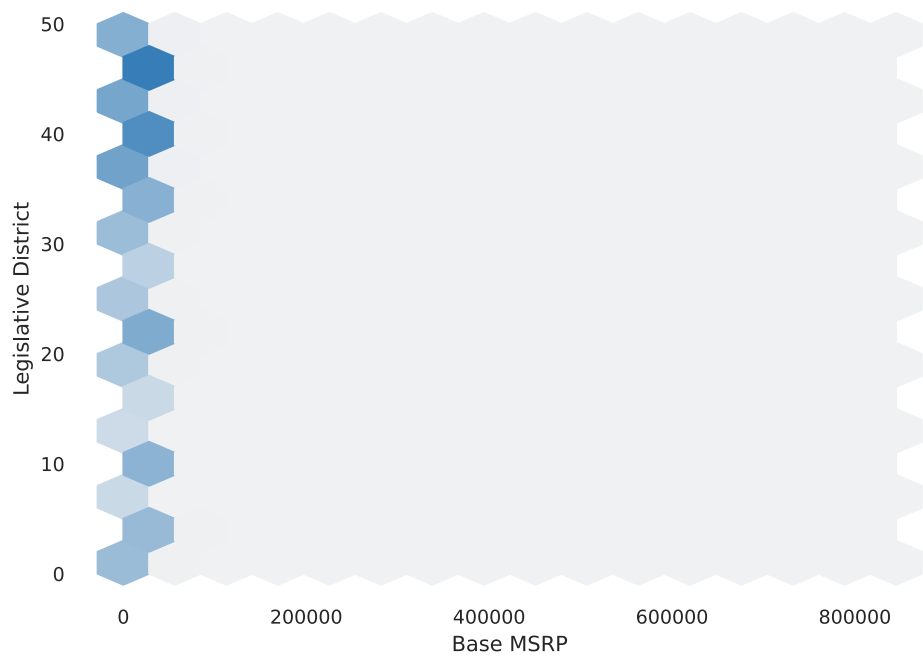


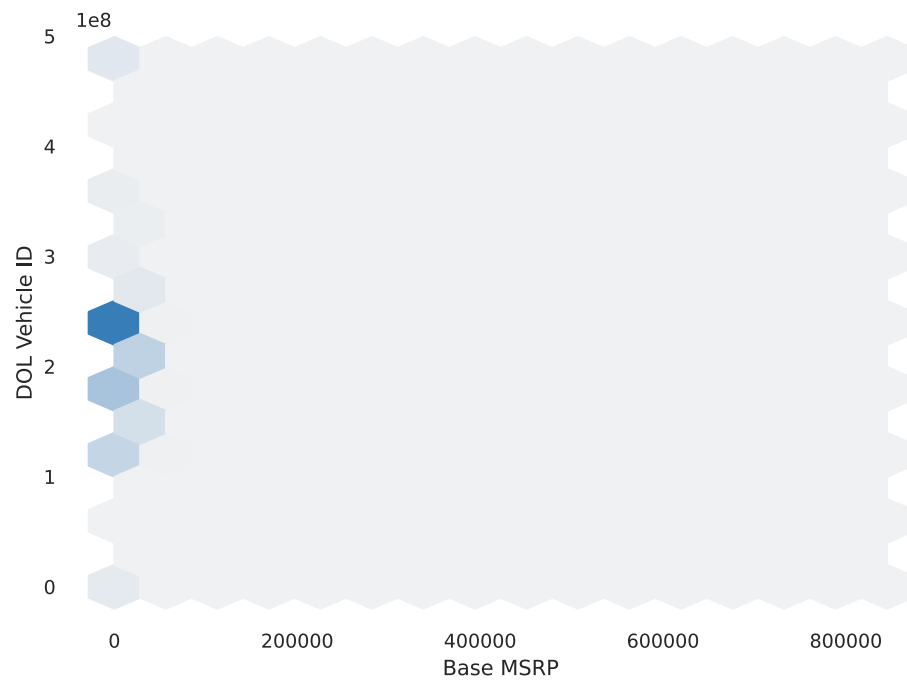


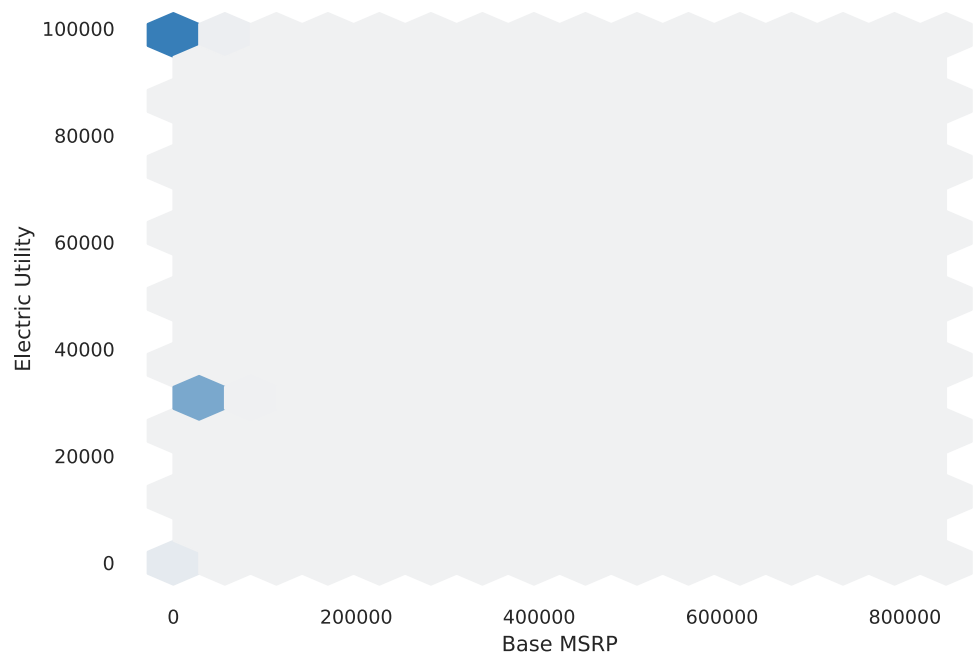


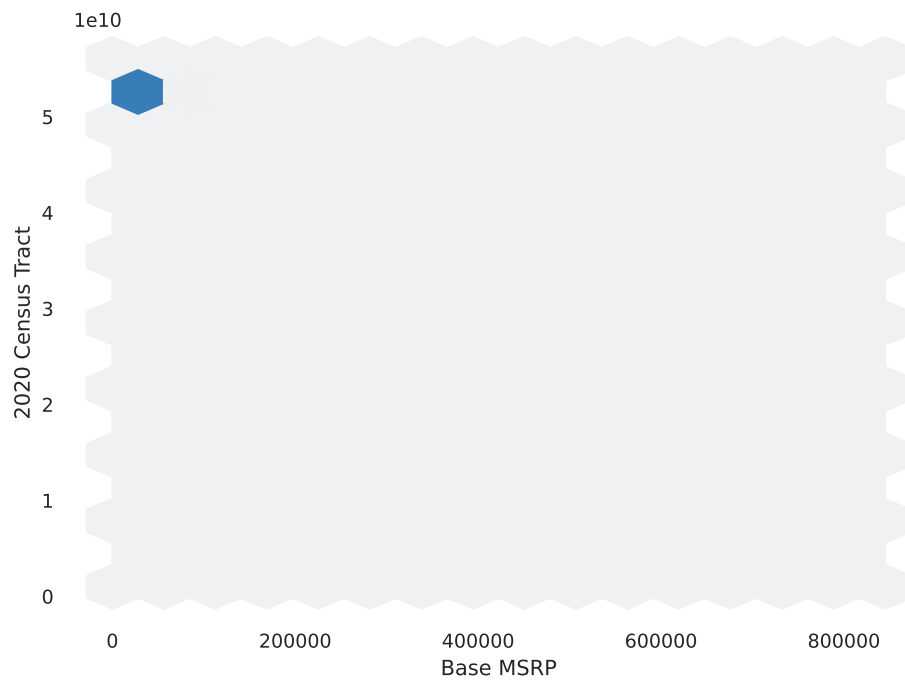


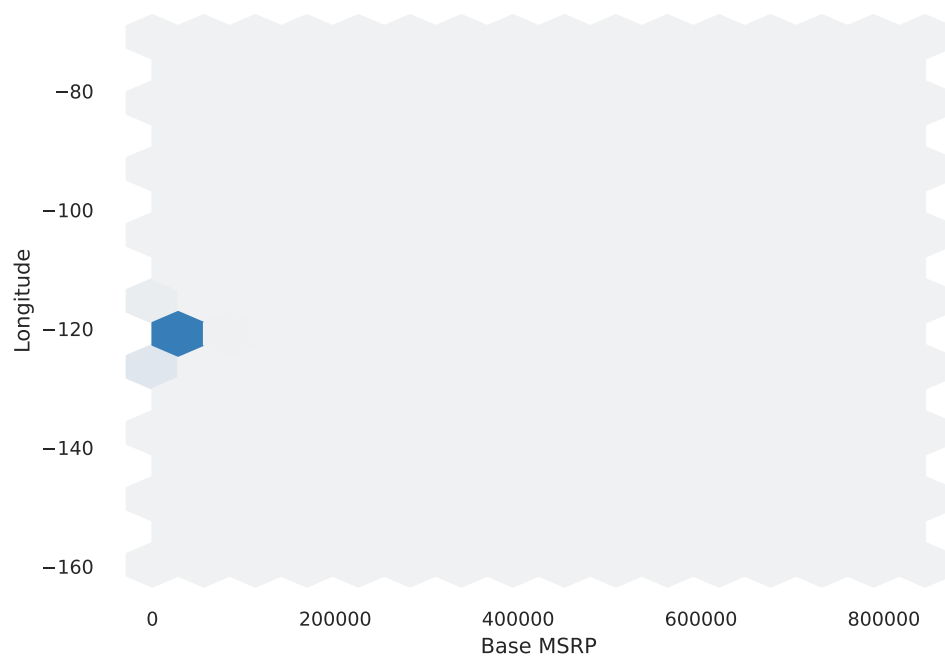




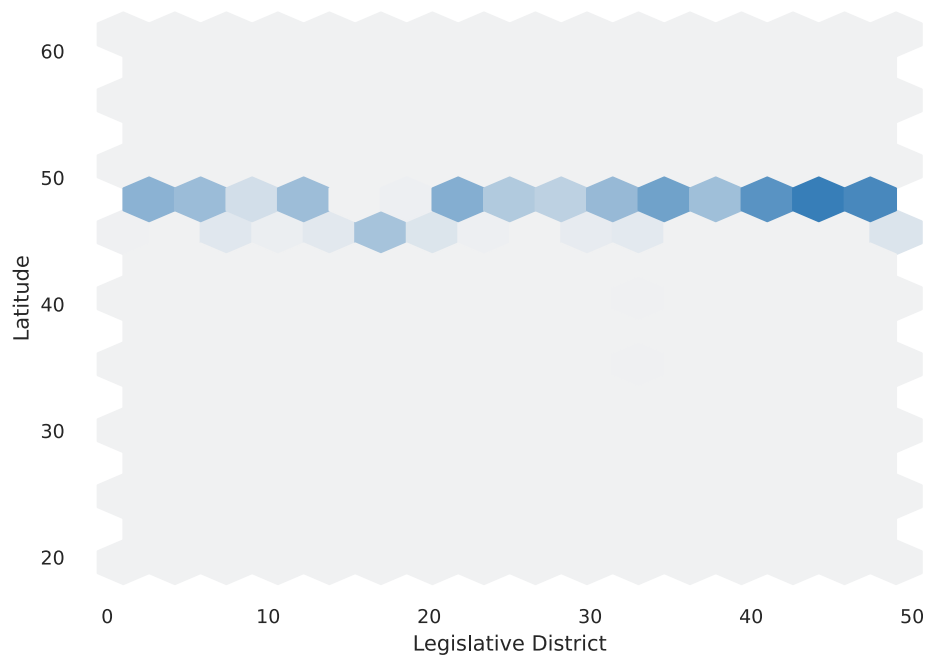


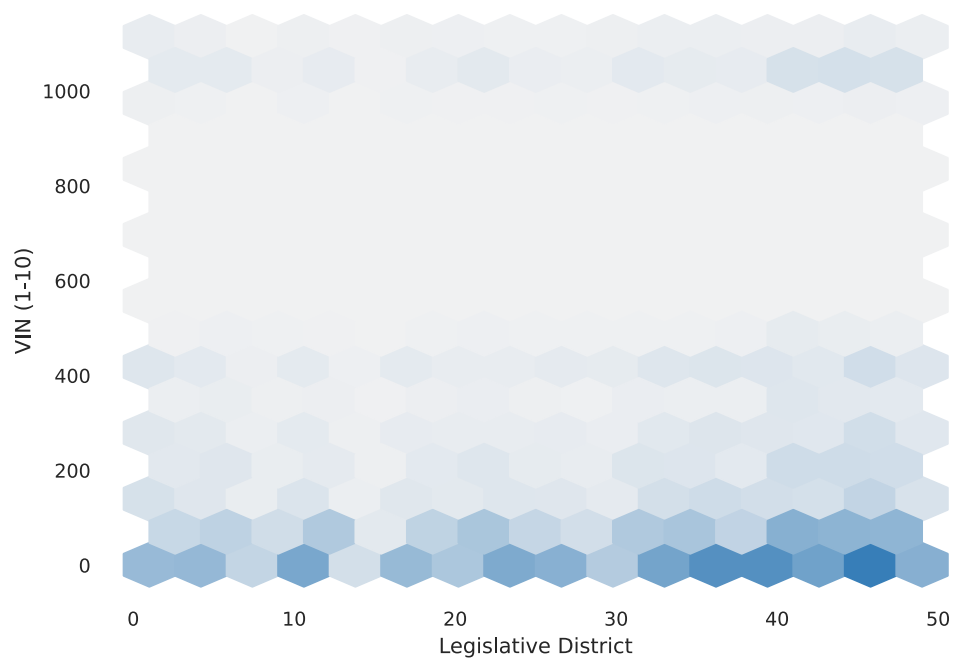


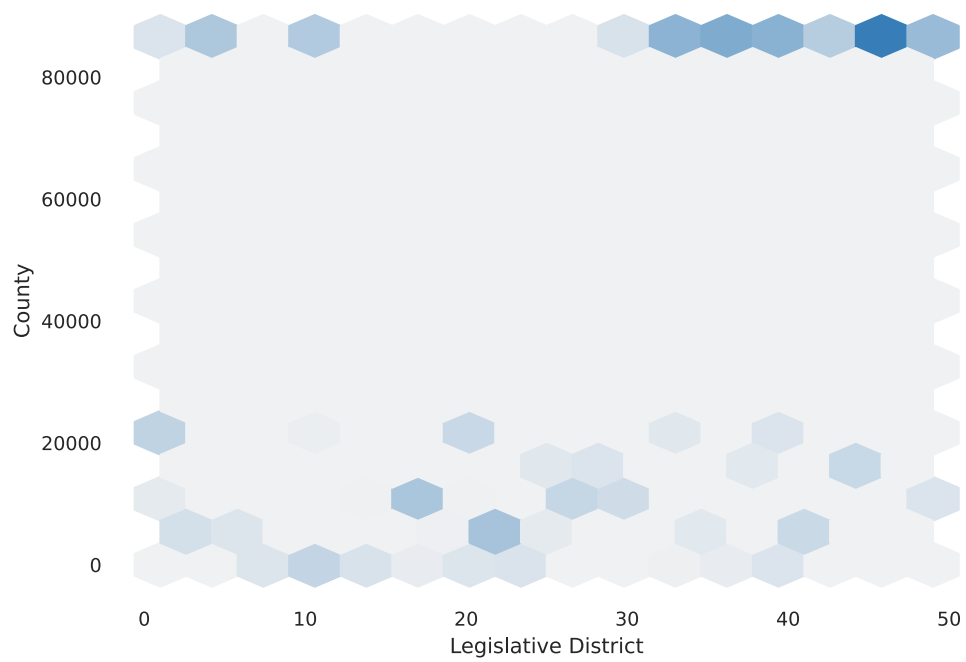


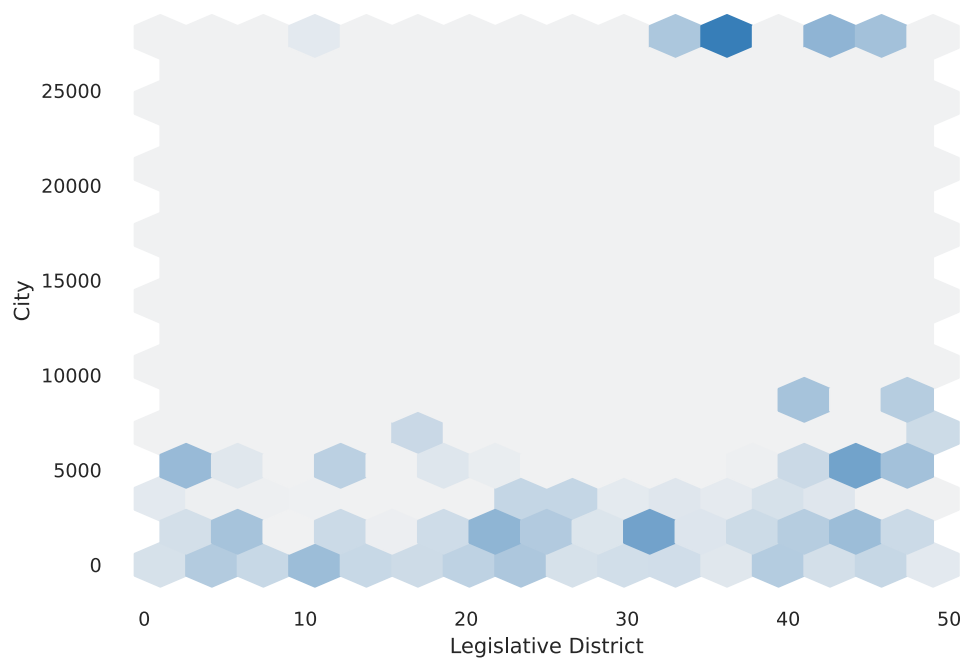


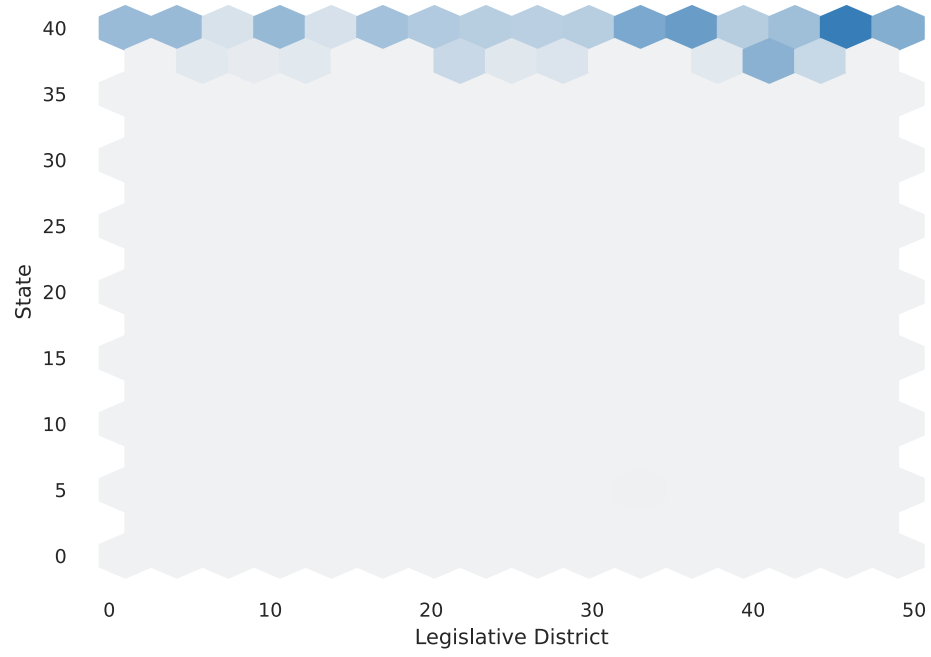
Latitude
VIN (1-10)
County
City
State
Postal Code
Model Year
Make
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Electric Range
Base MSRP
Legislative District
DOL Vehicle ID
Electric Utility
2020 Census Tract
Longitude

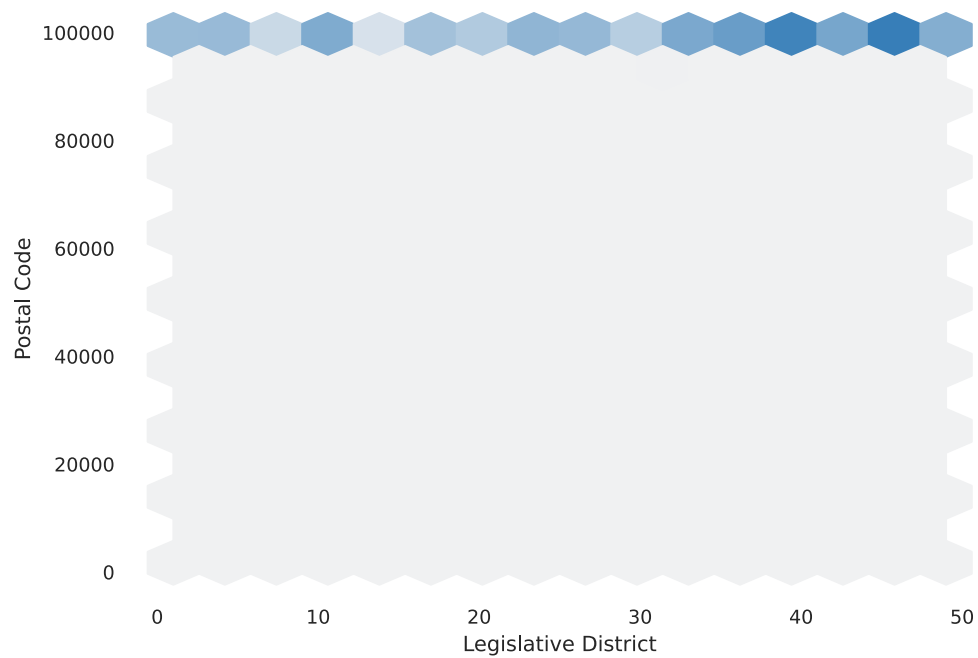


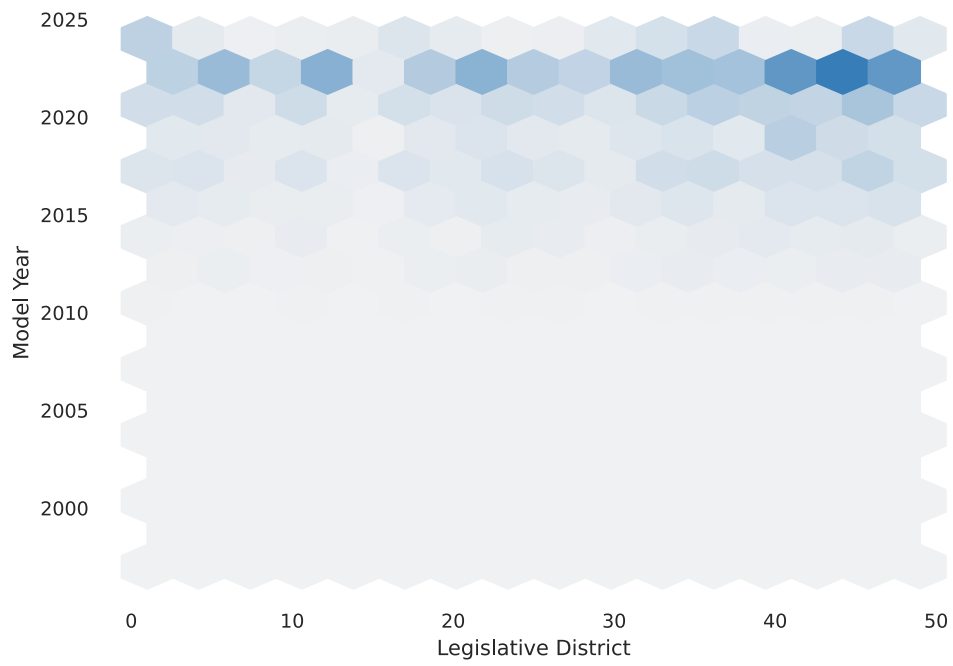


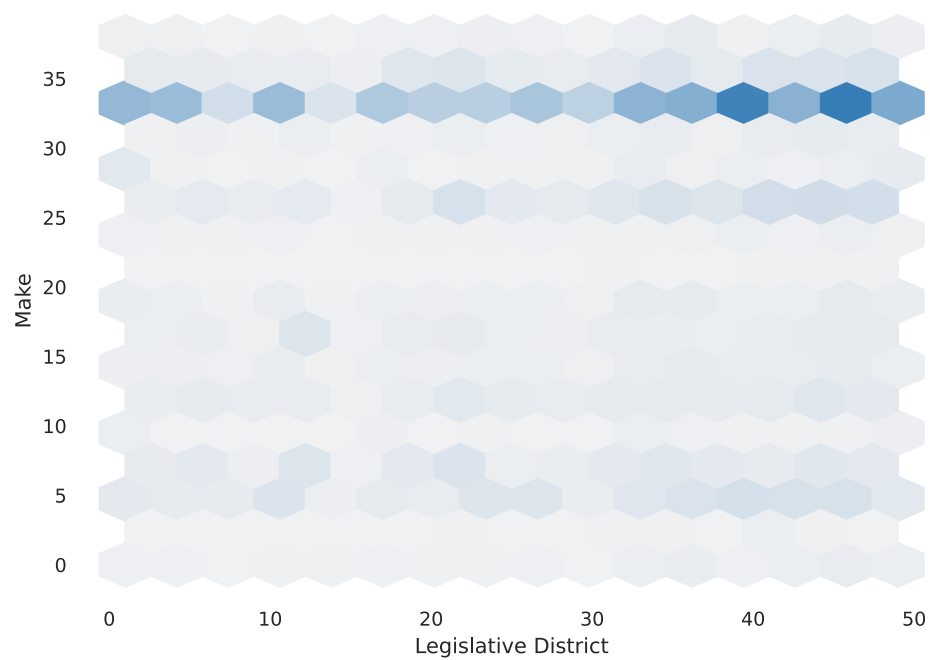


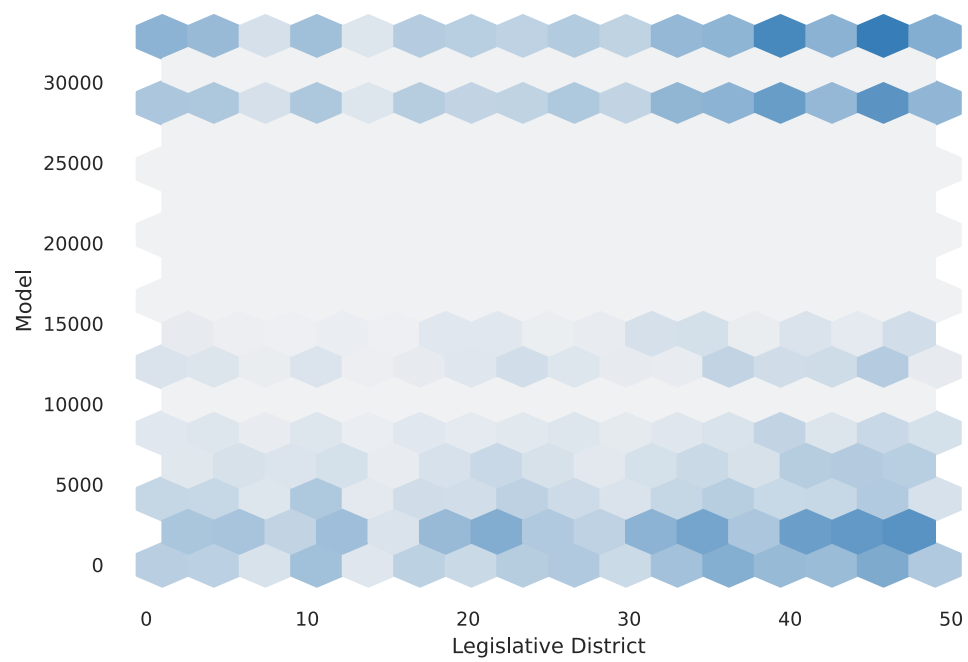


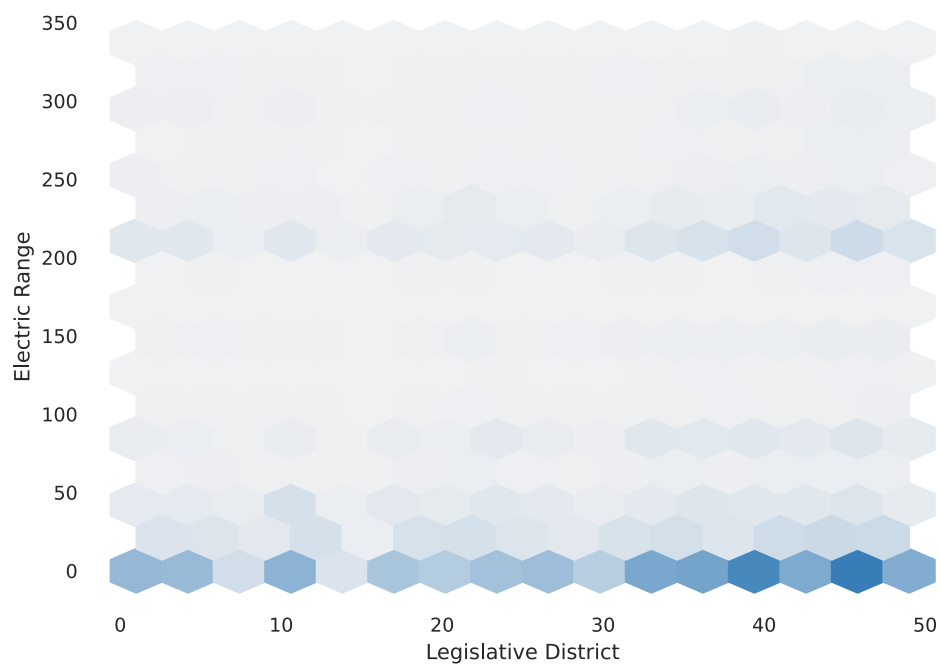


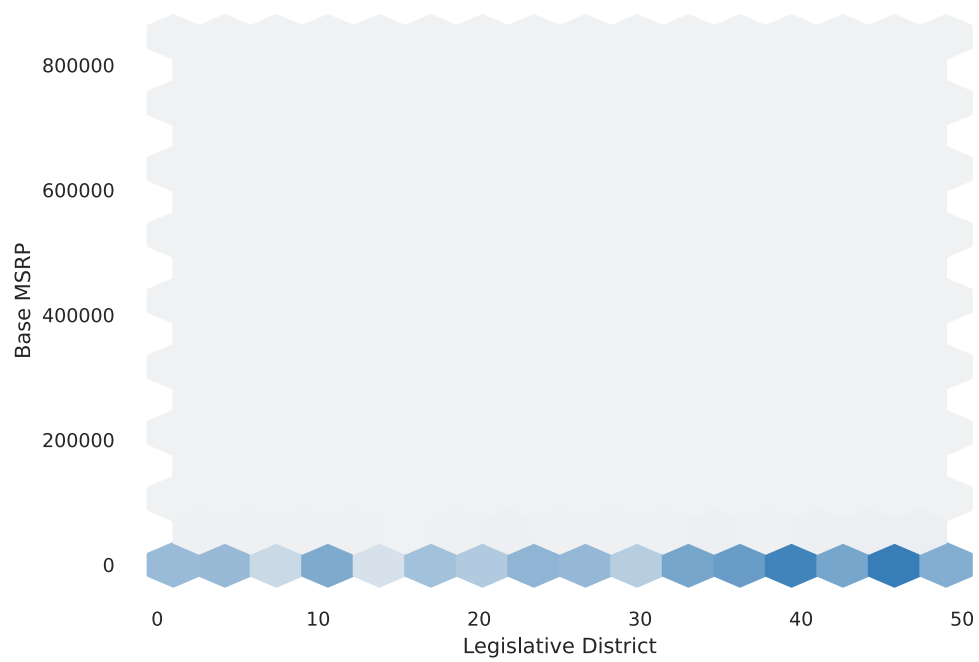


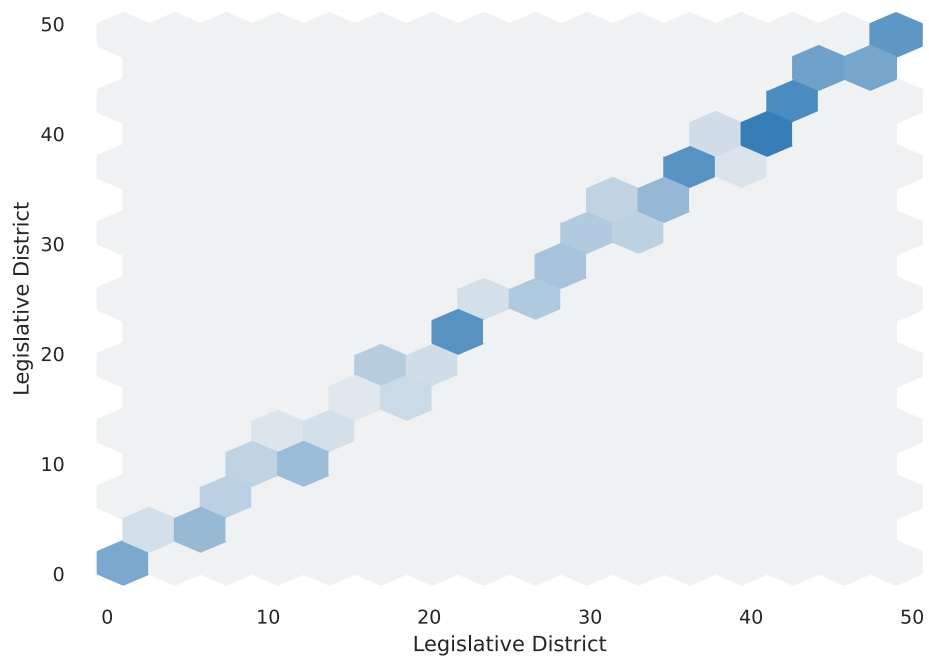


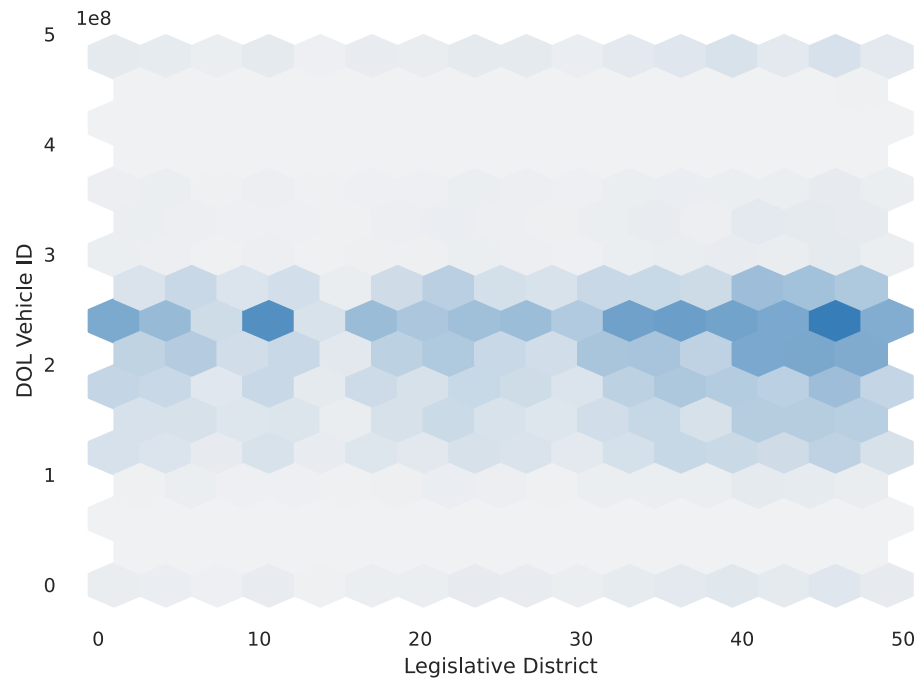


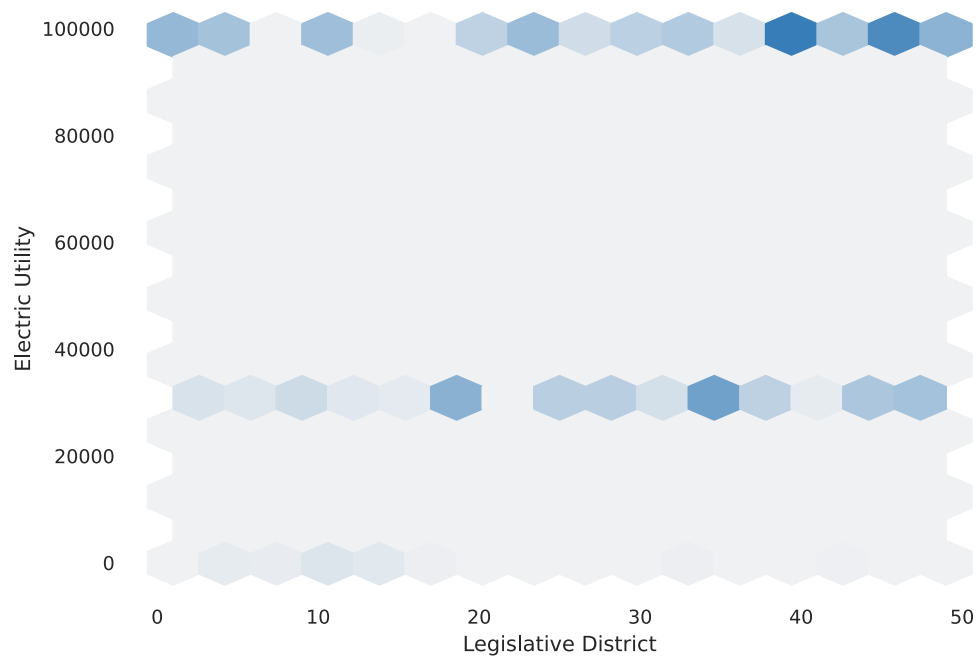


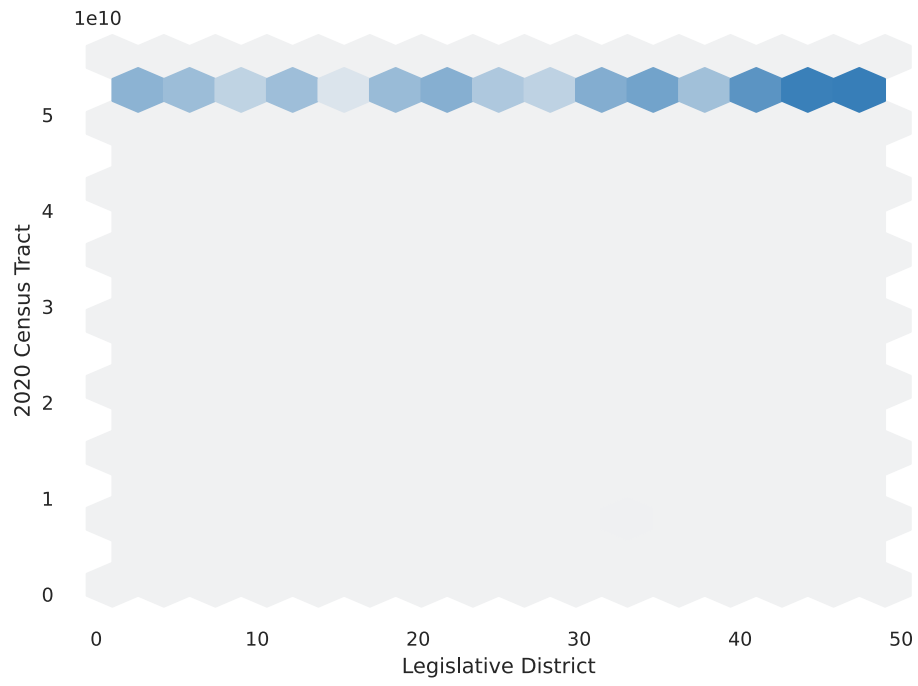


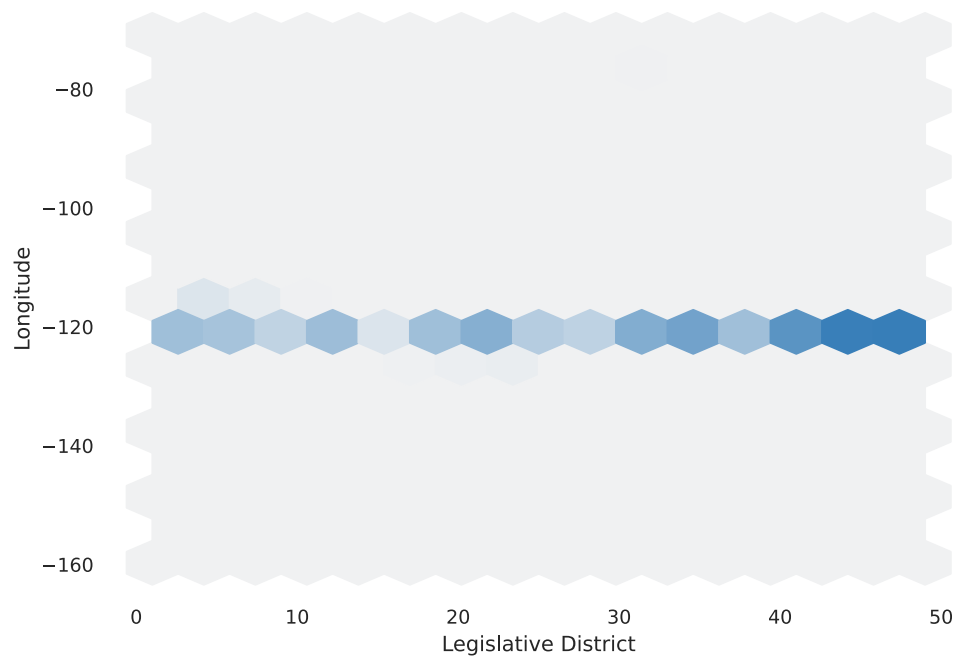




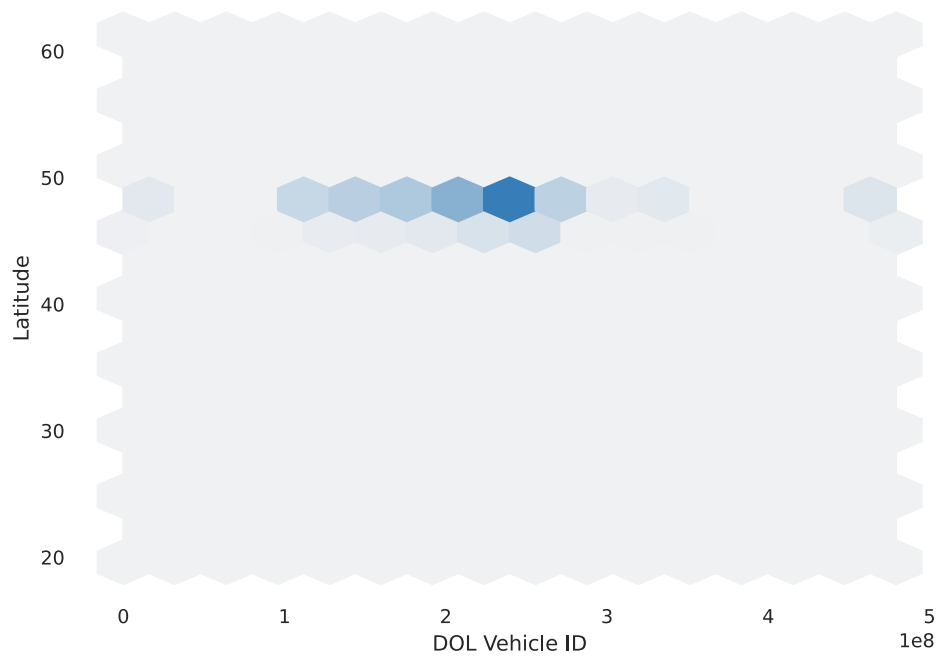


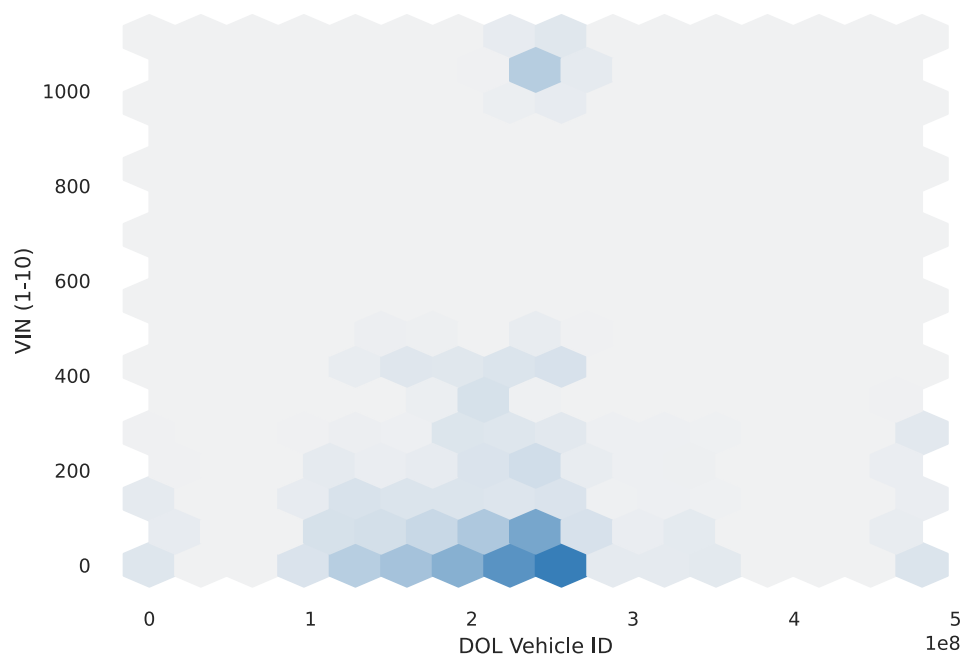


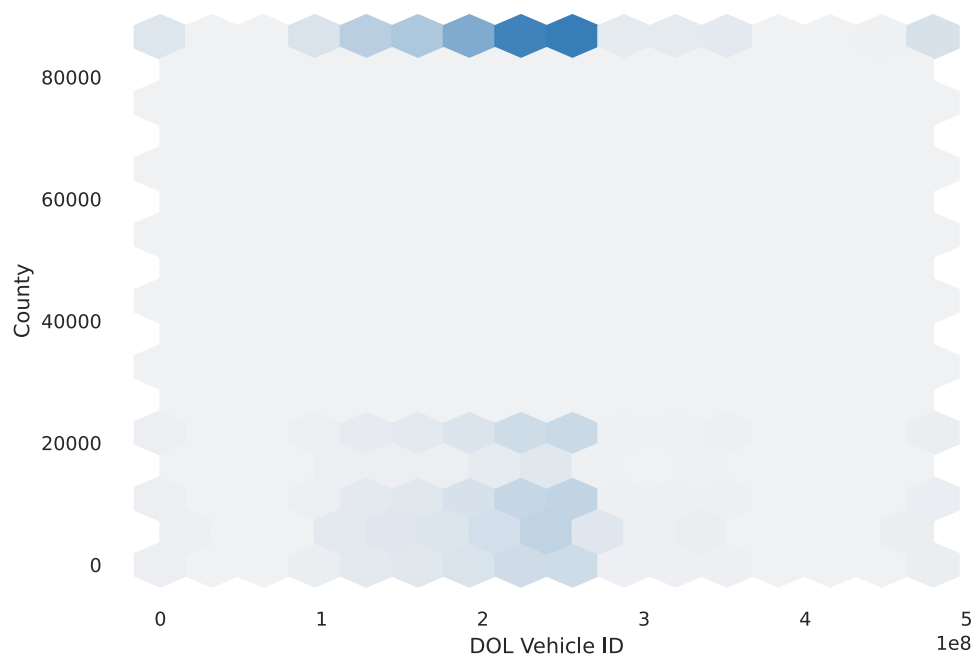


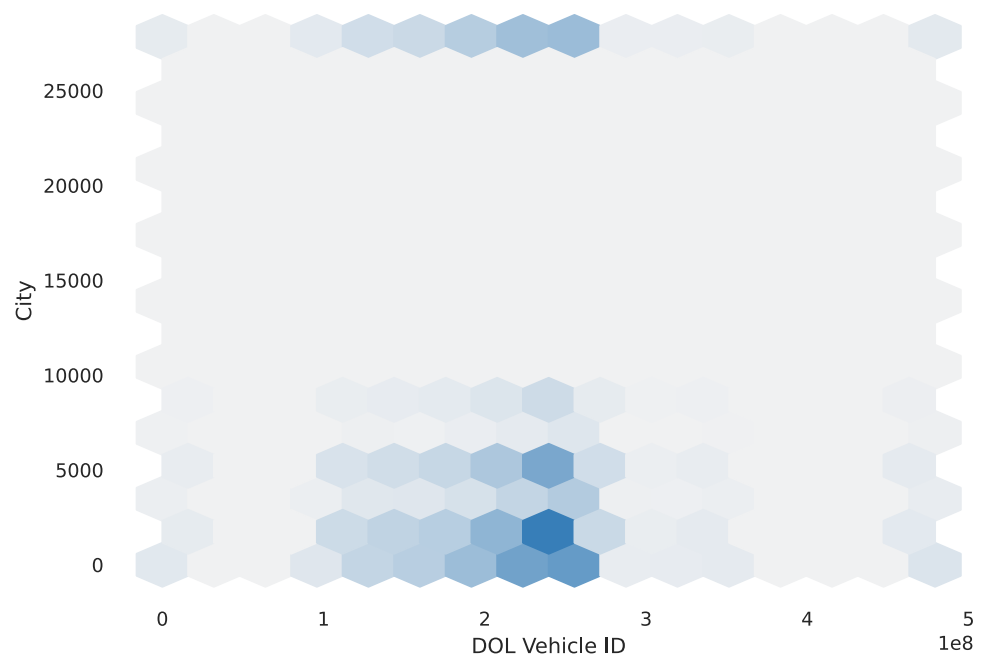


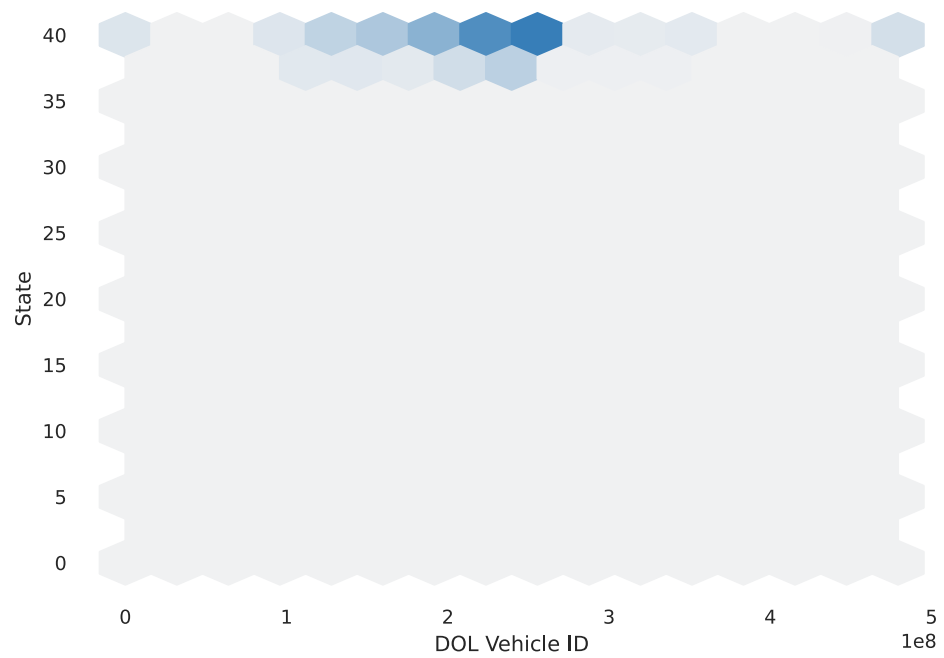
Latitude
VIN (1-10)
County
City
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Postal Code
Model Year
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Electric Range
Base MSRP
Legislative District
DOL Vehicle ID
Electric Utility
2020 Census Tract
Longitude

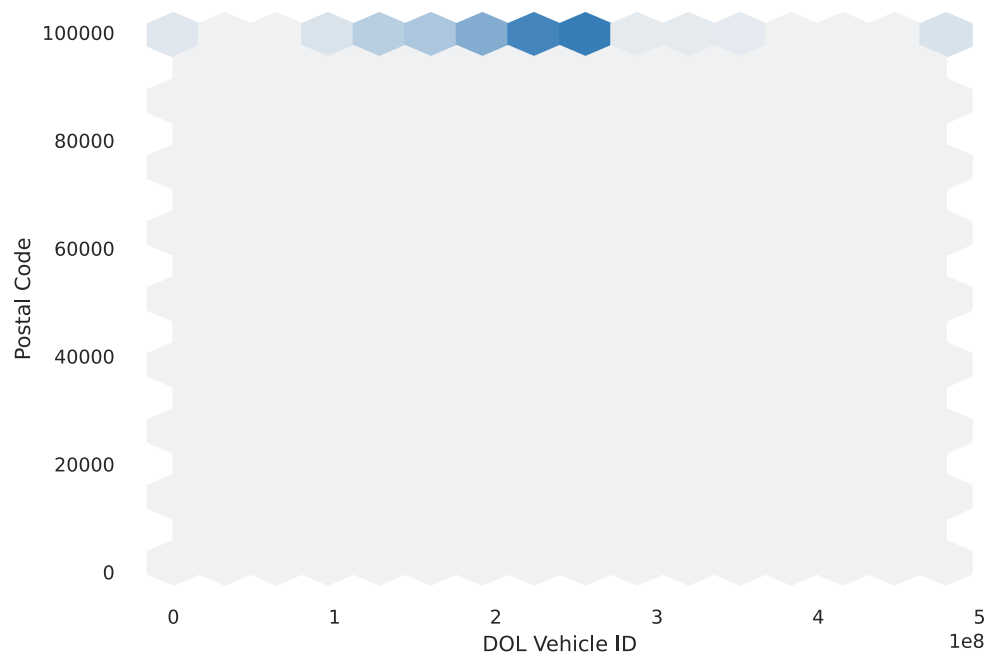


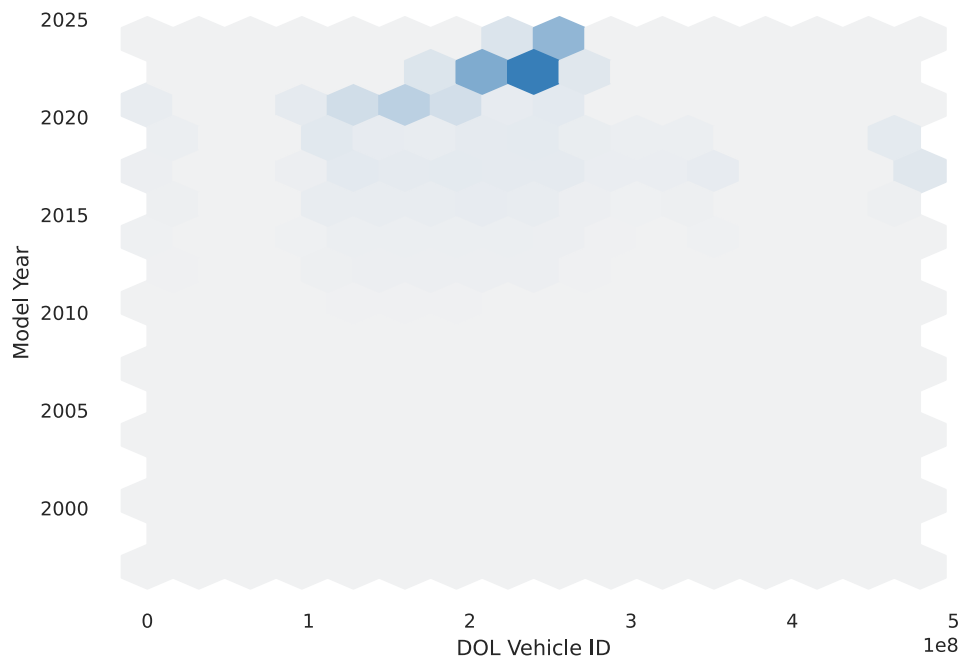


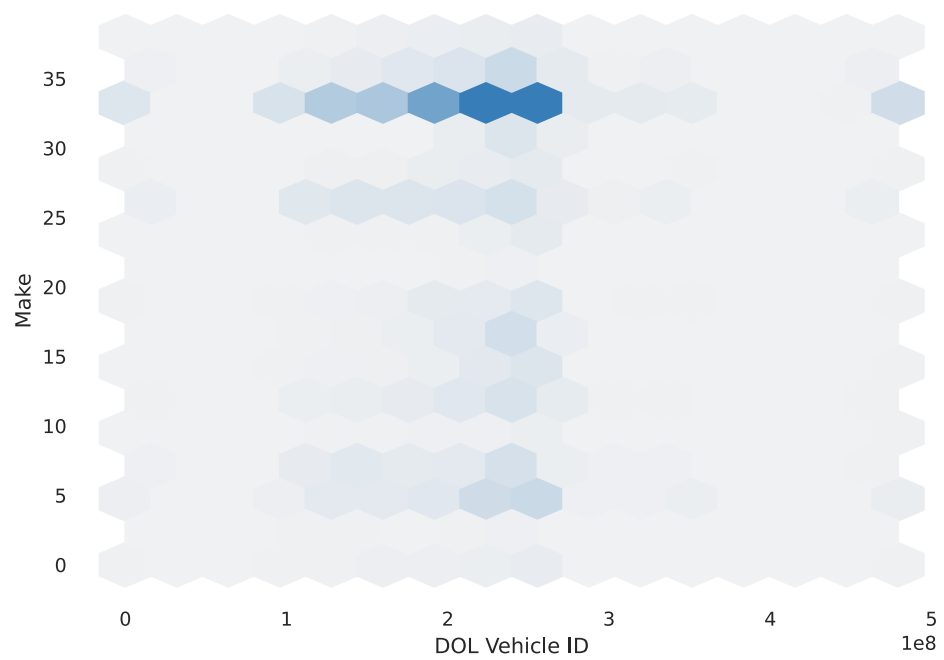


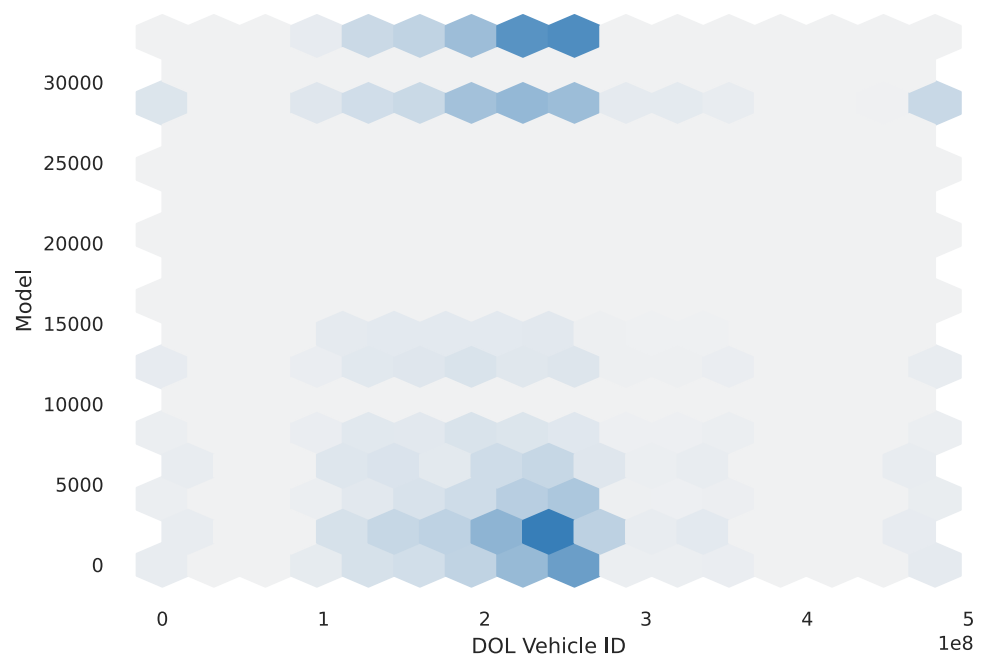


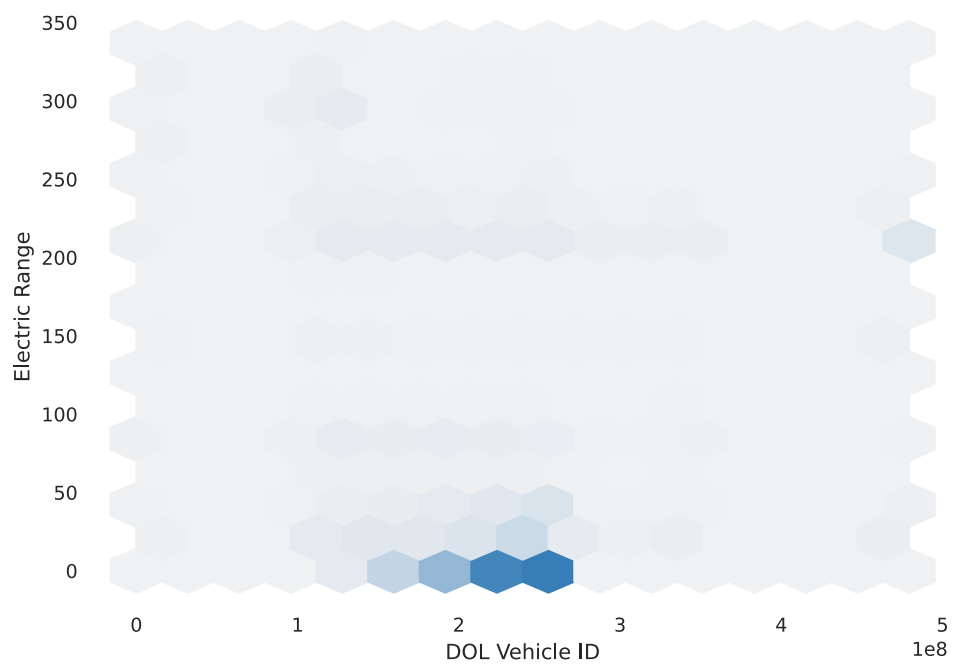


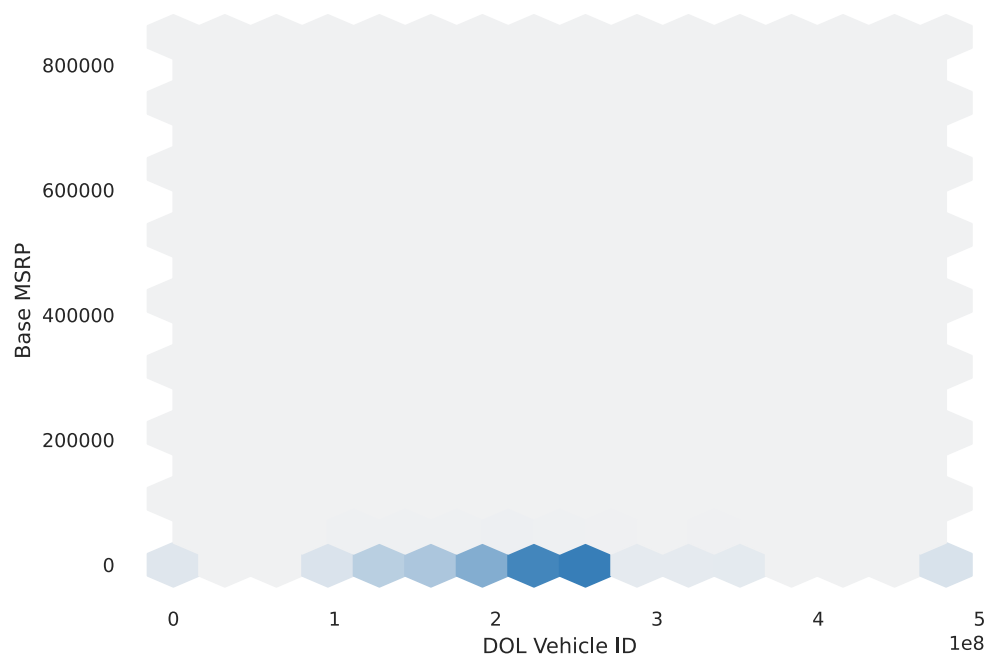


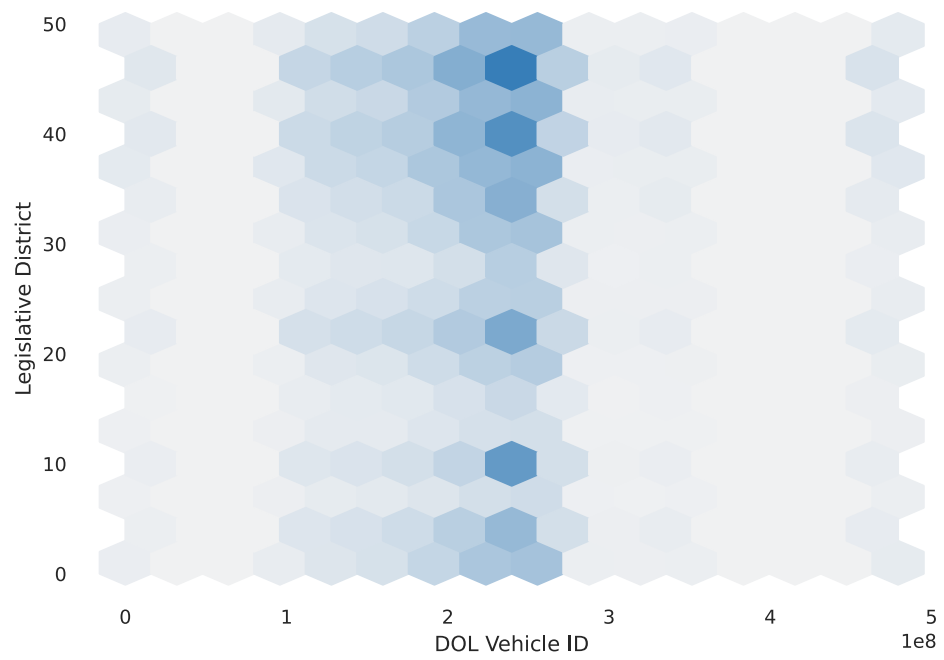


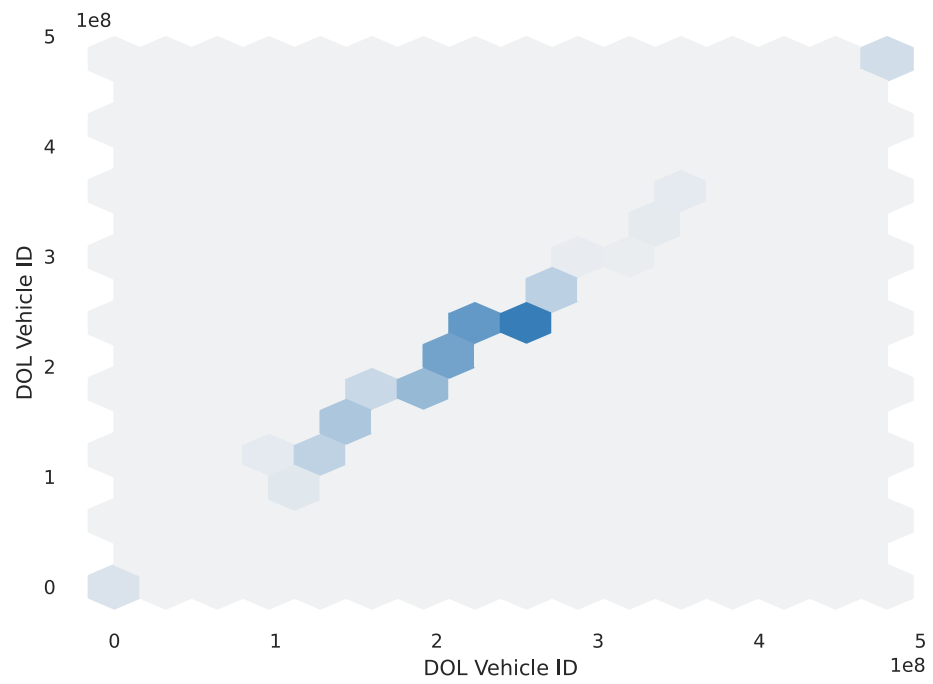


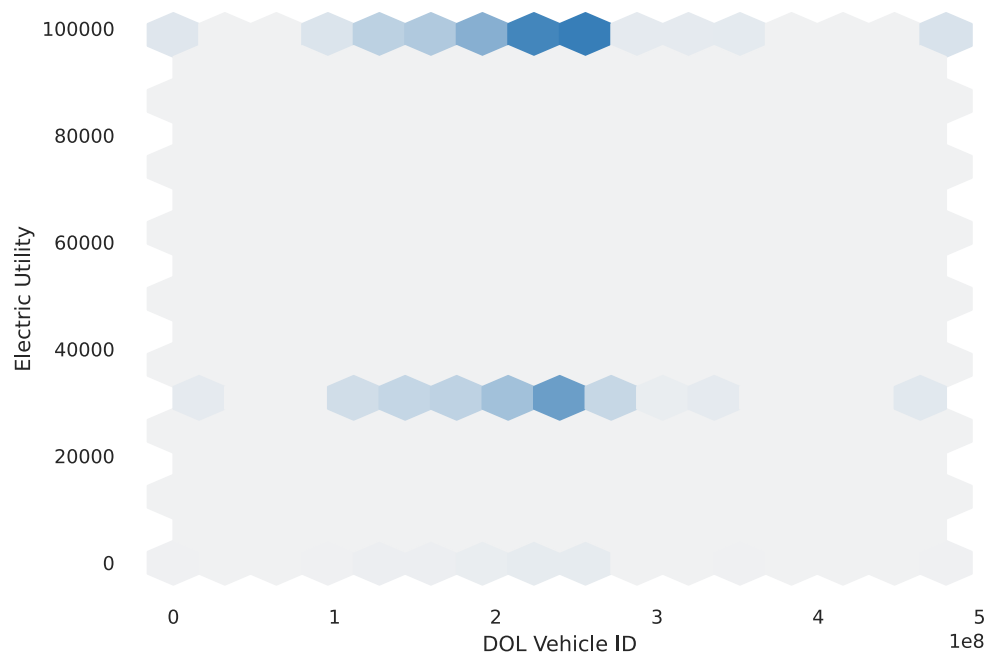


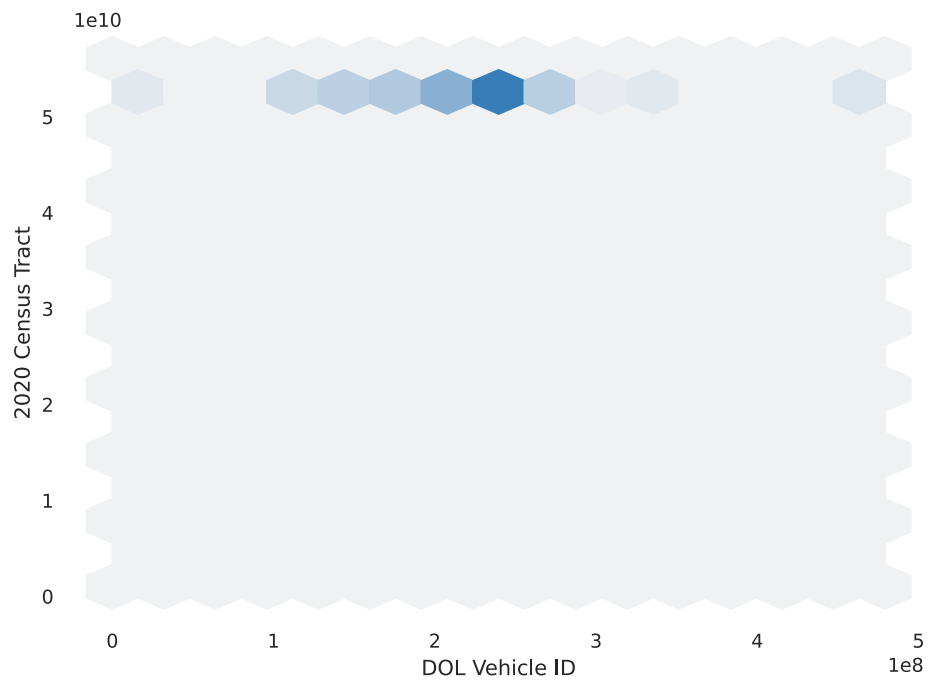


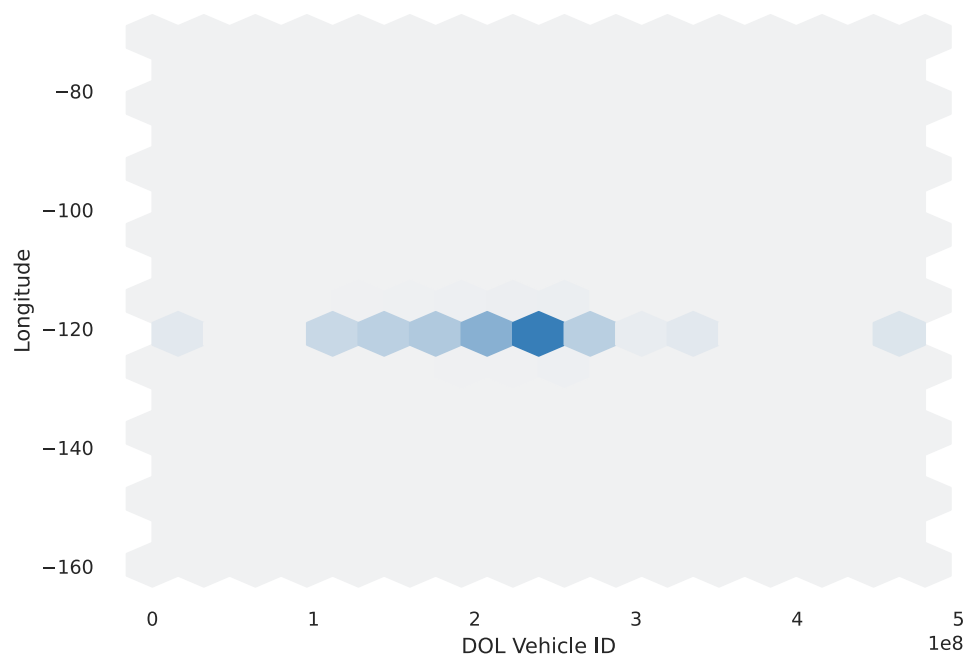




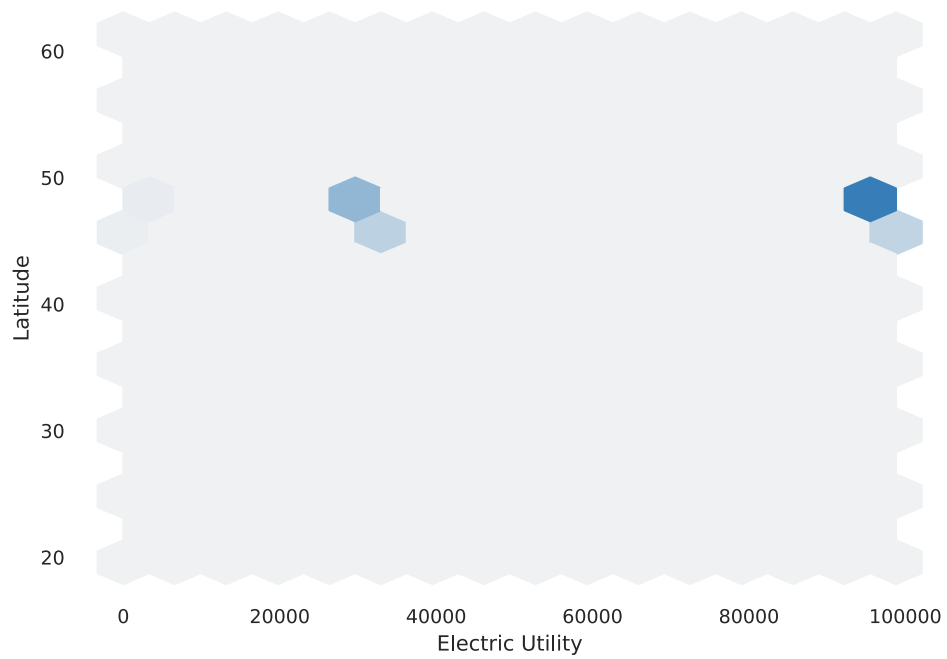


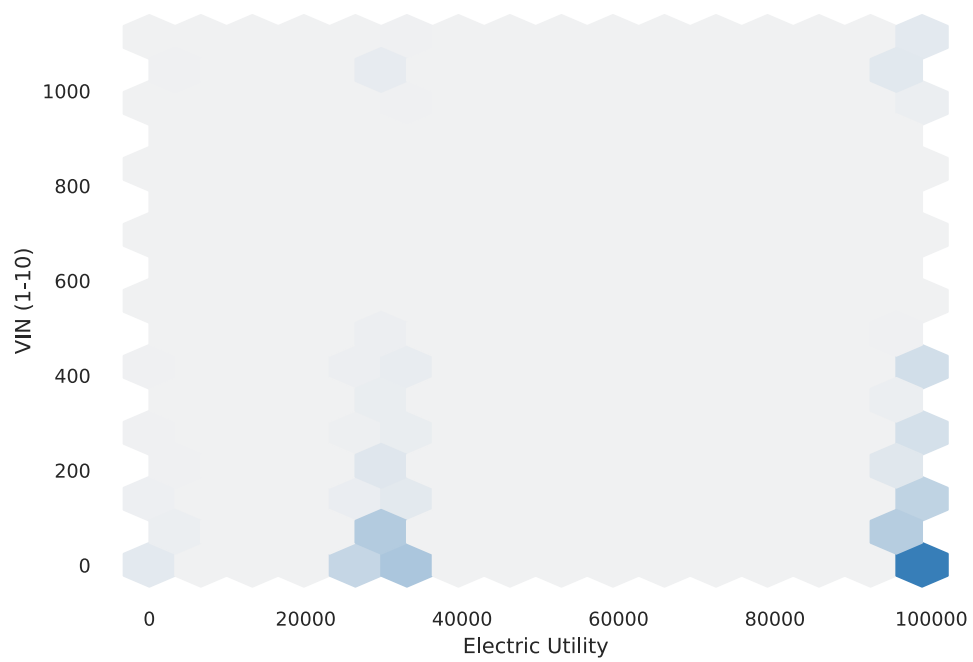


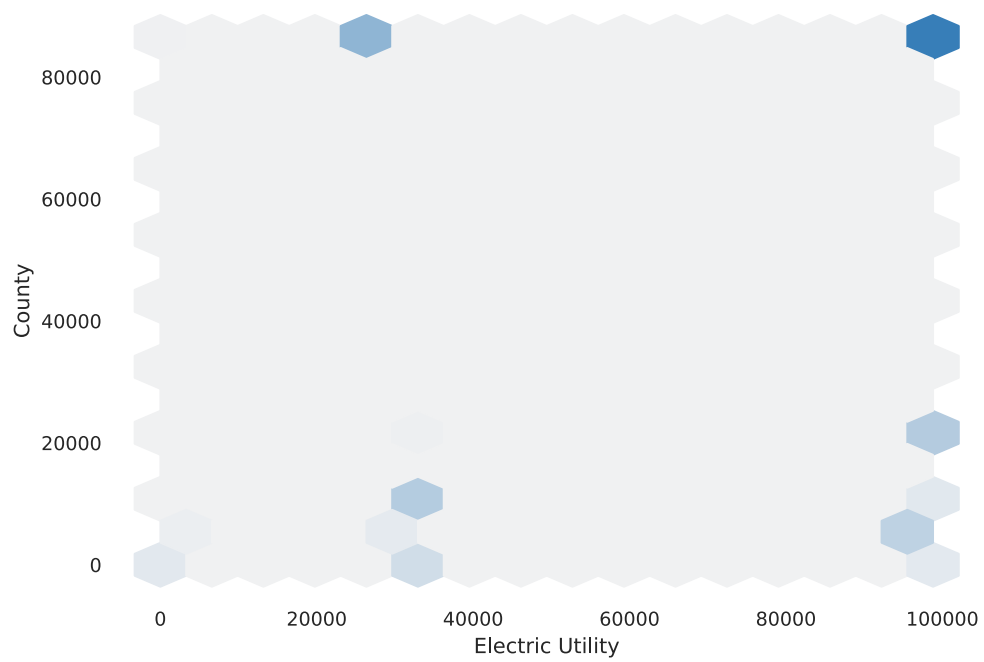


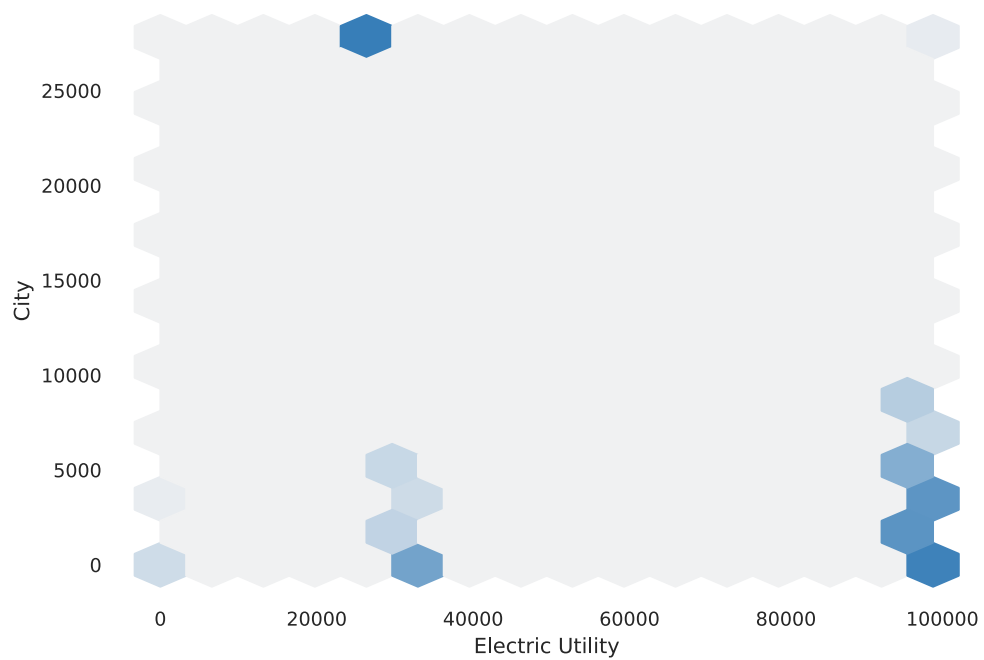


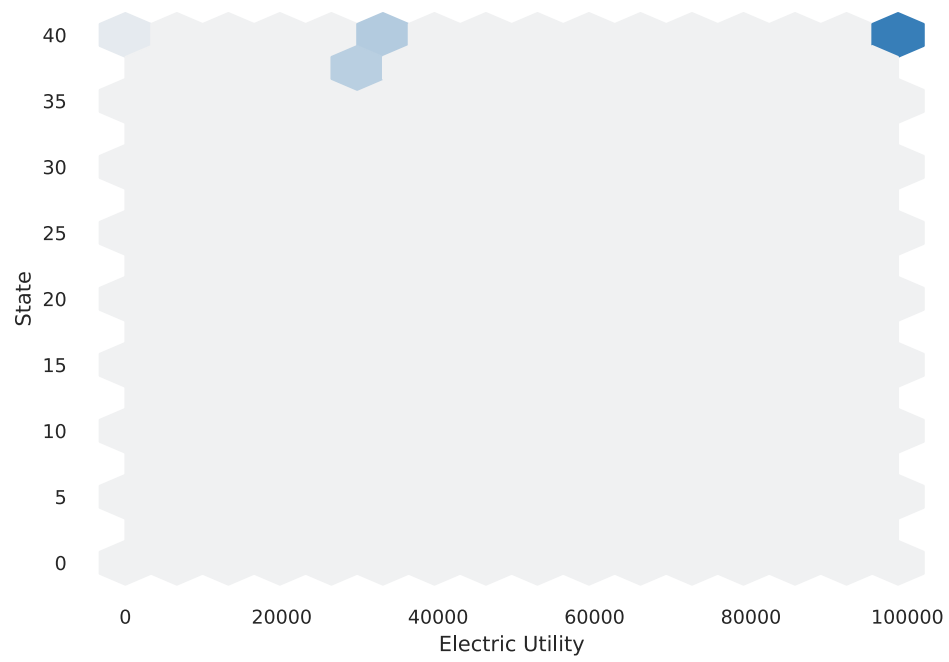
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Longitude

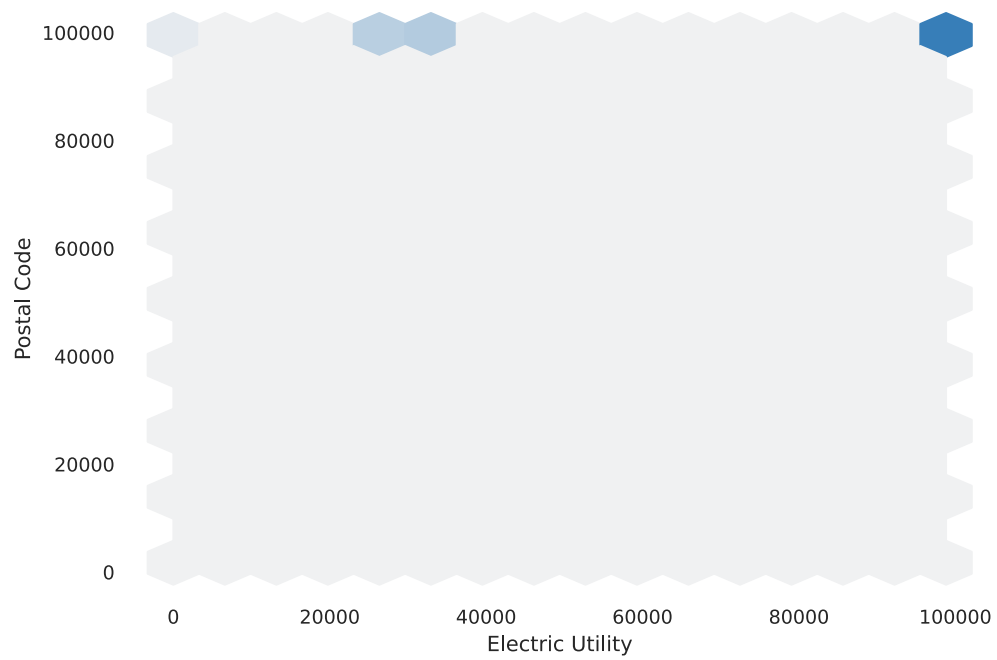


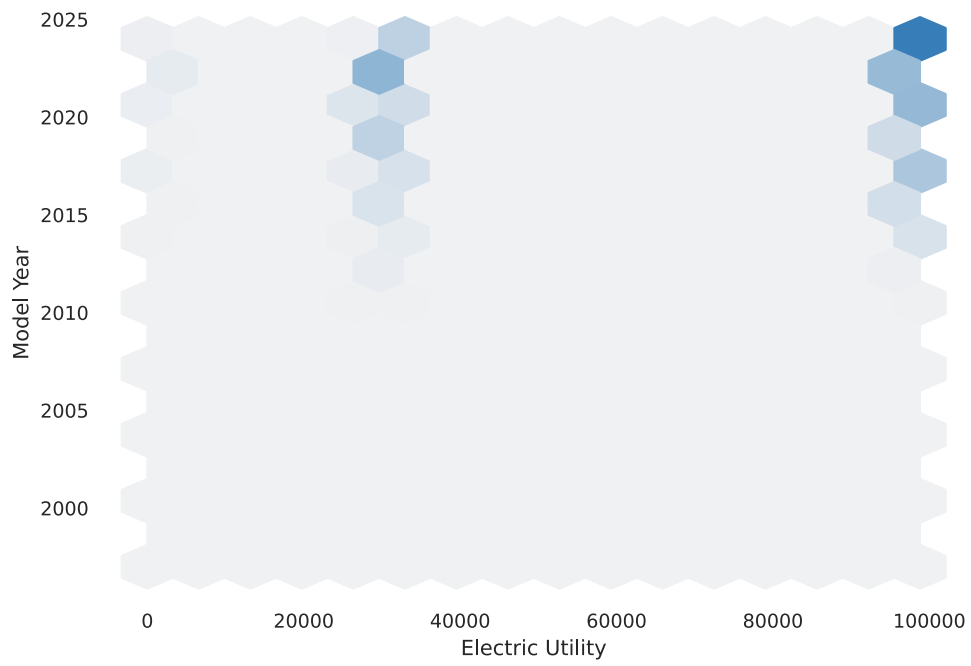


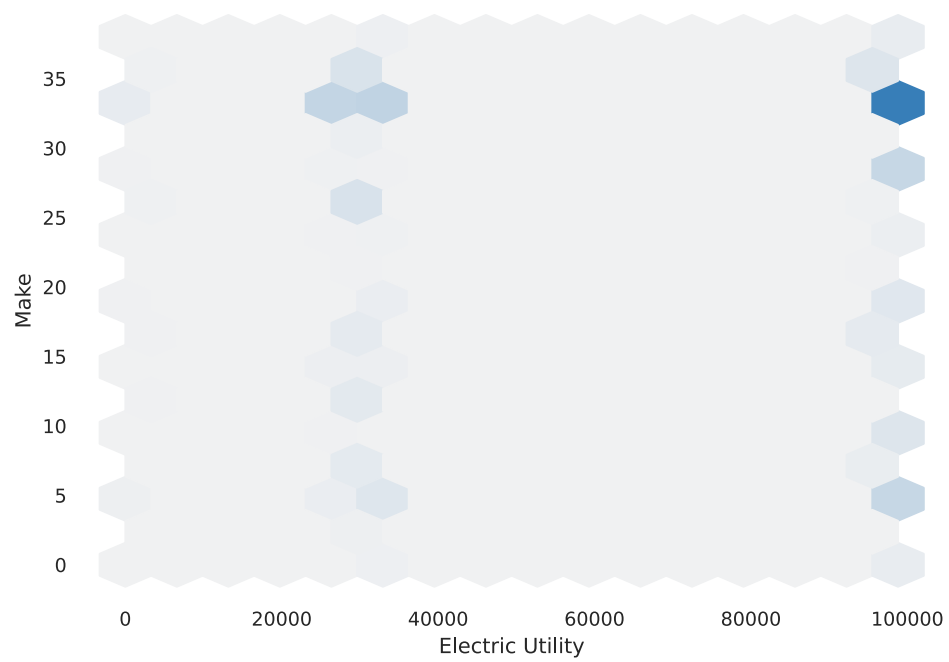


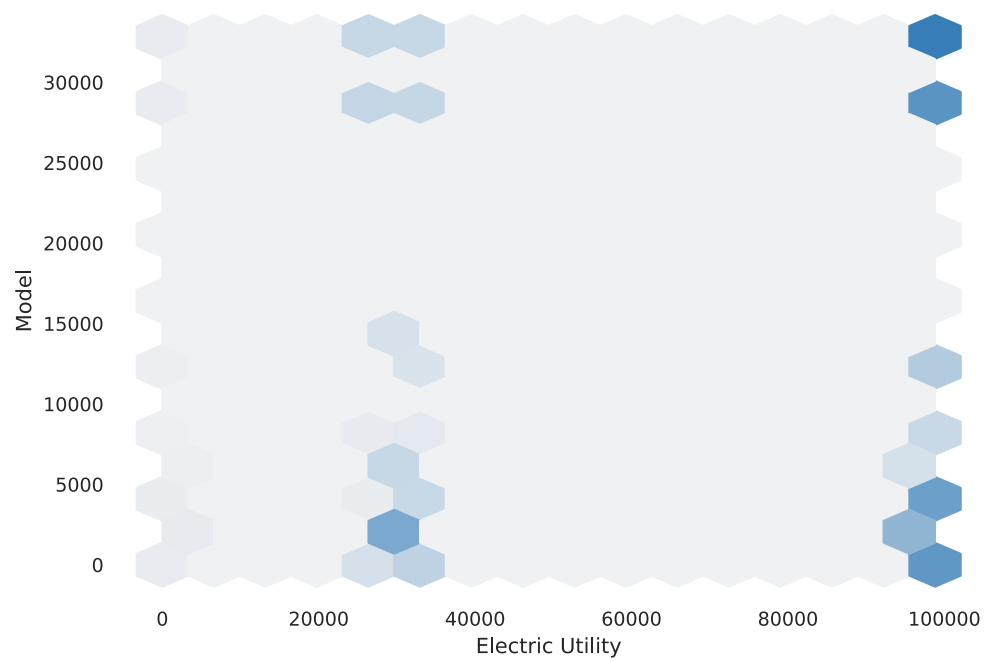


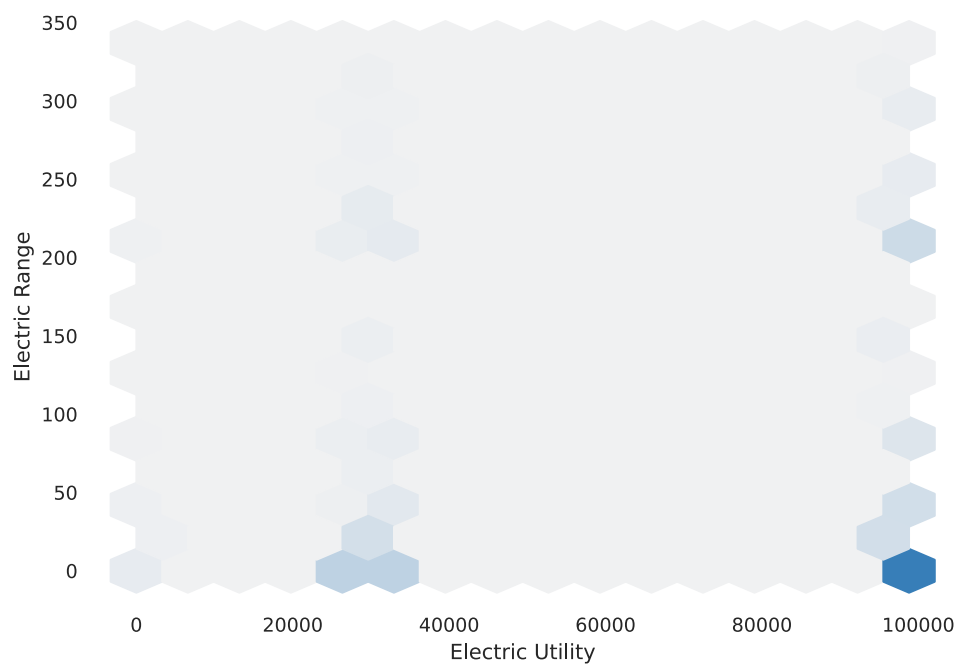


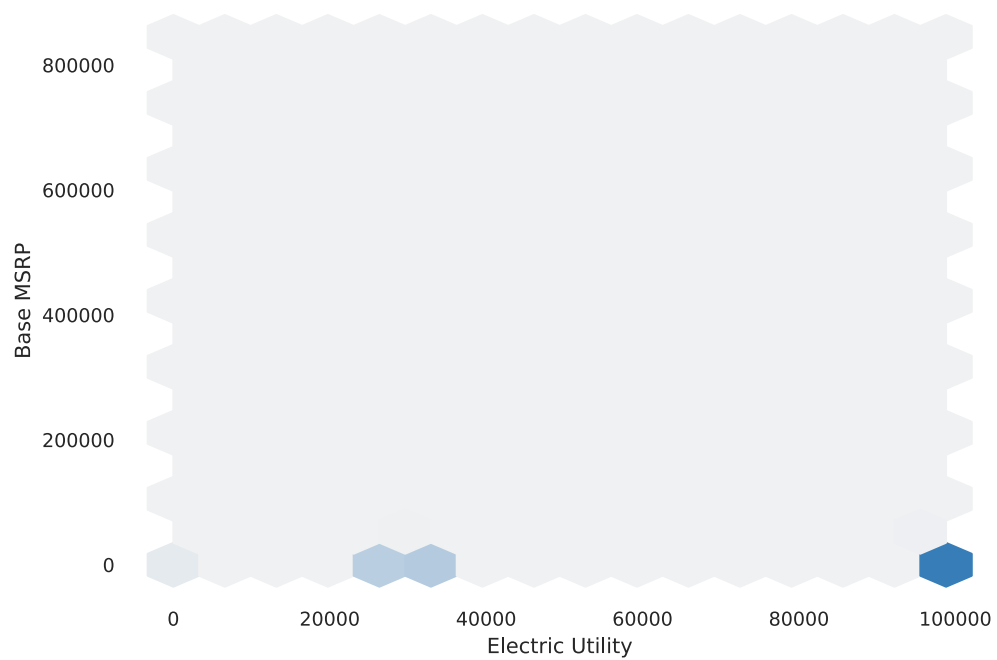


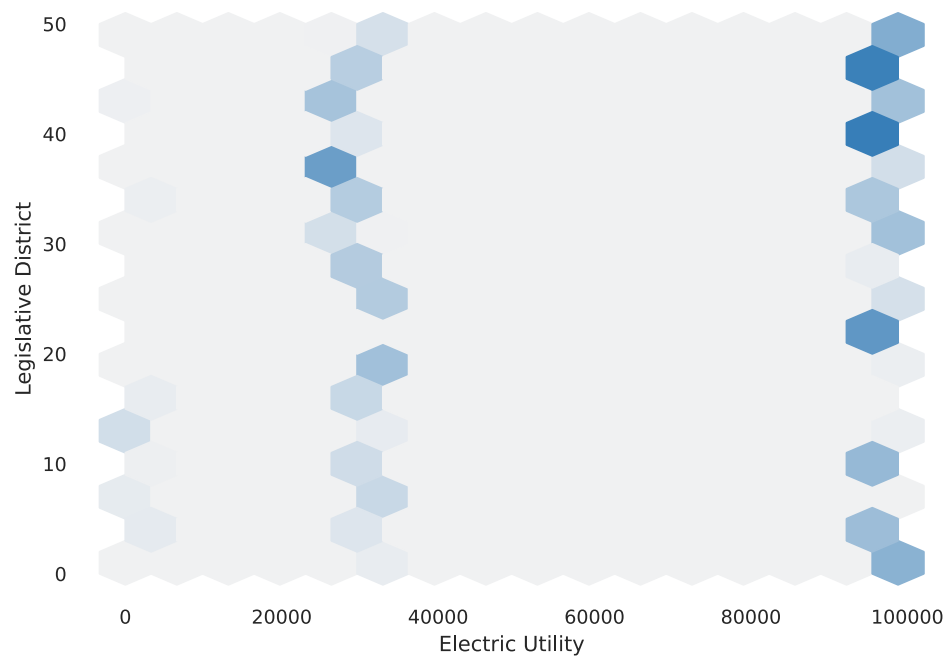


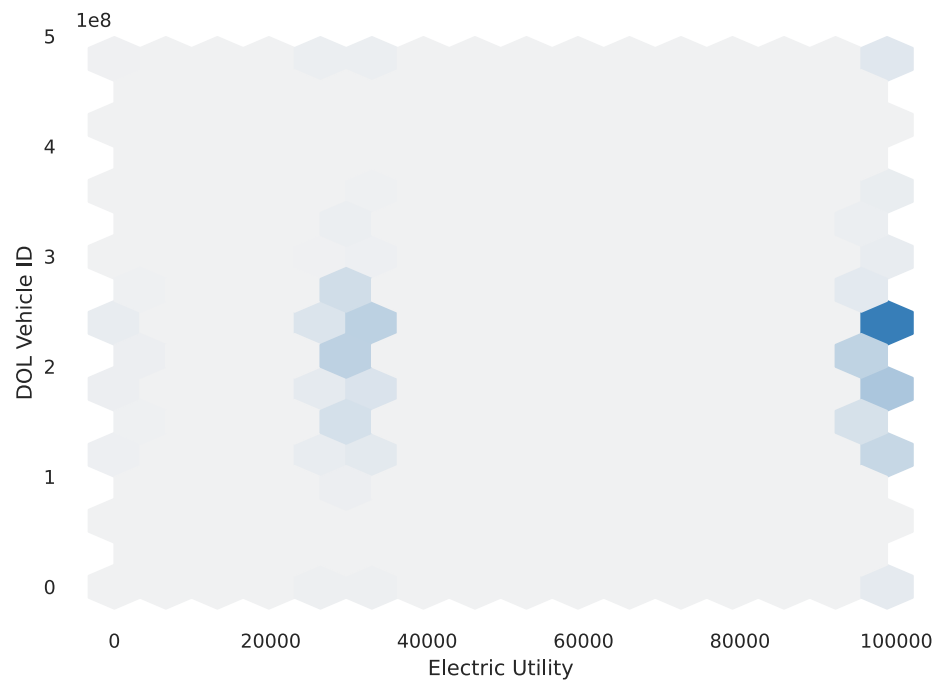


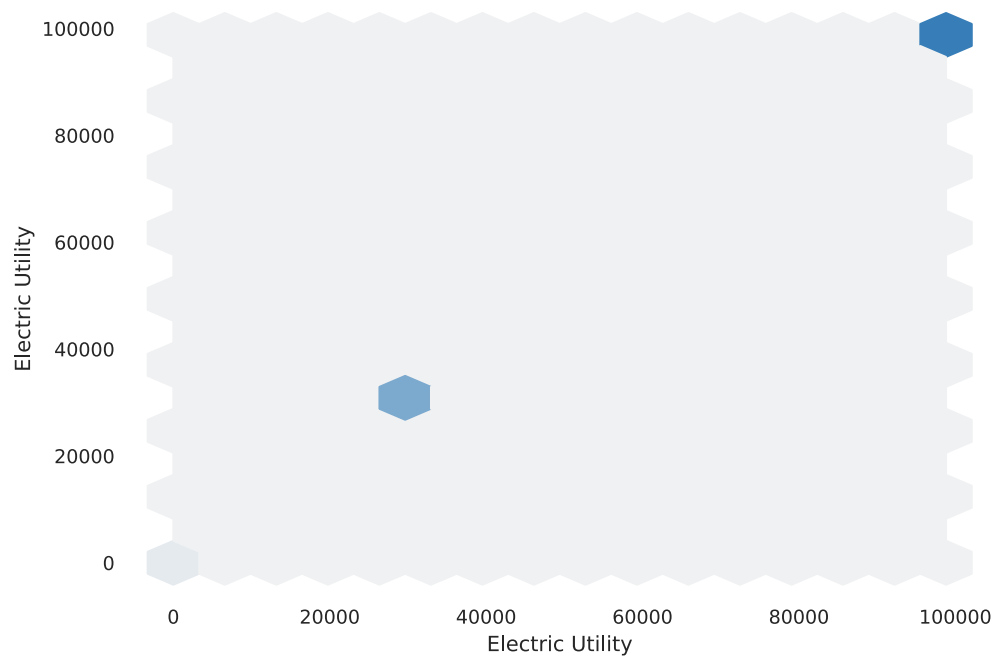


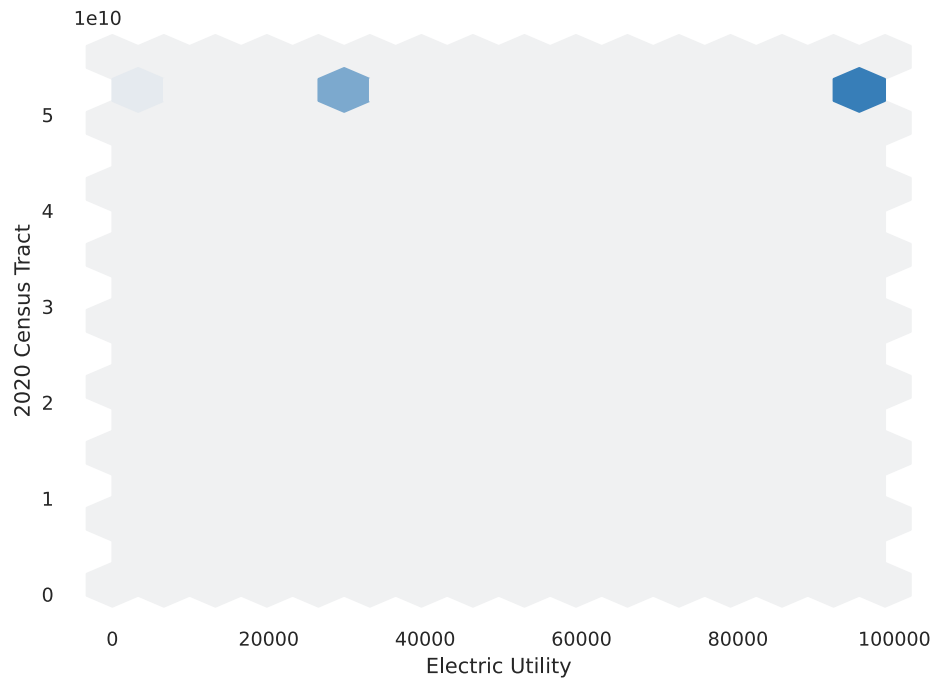


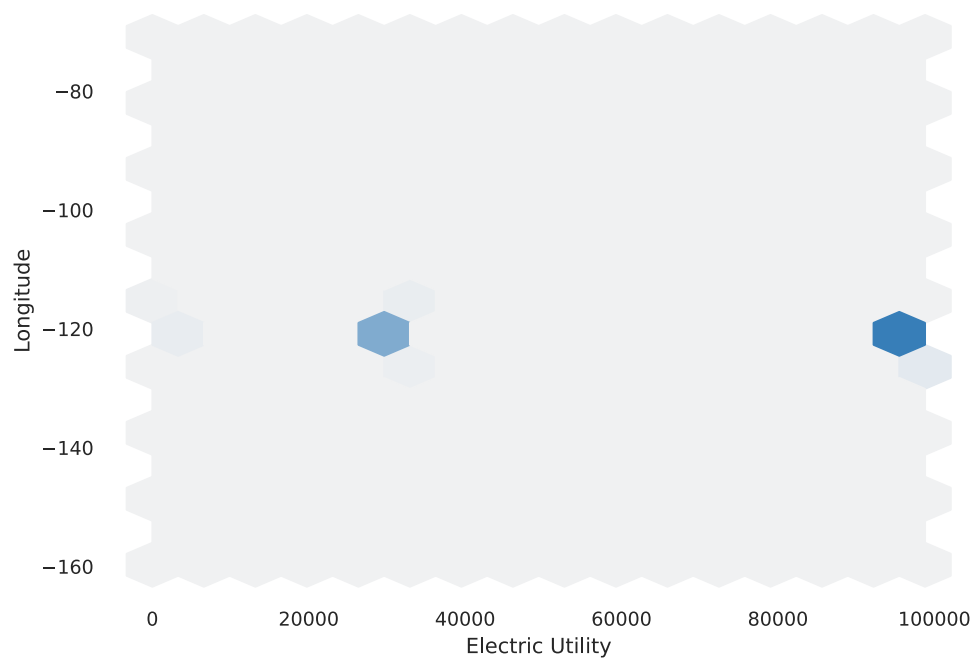








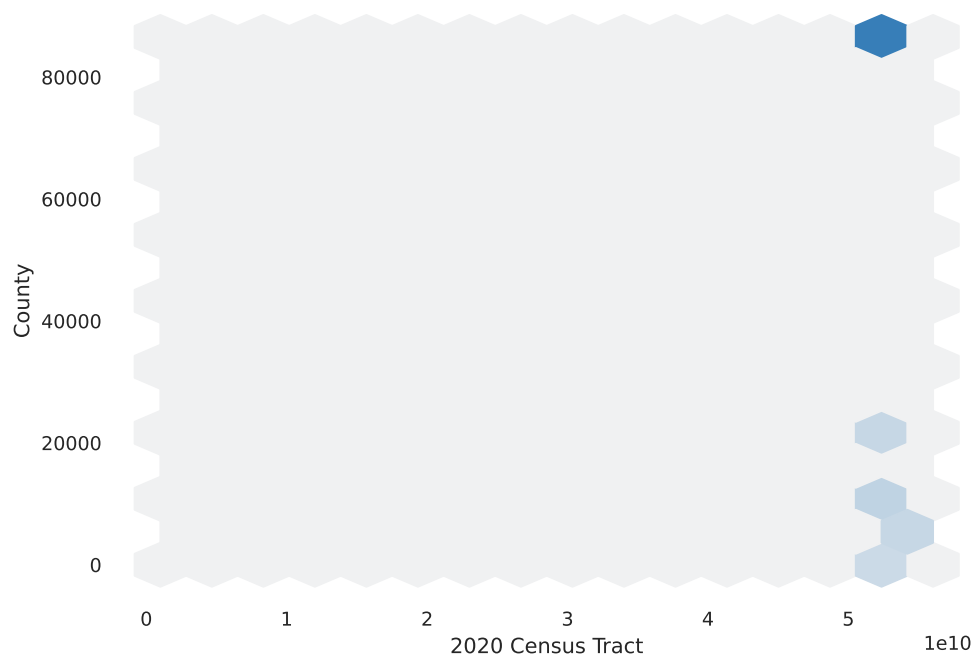




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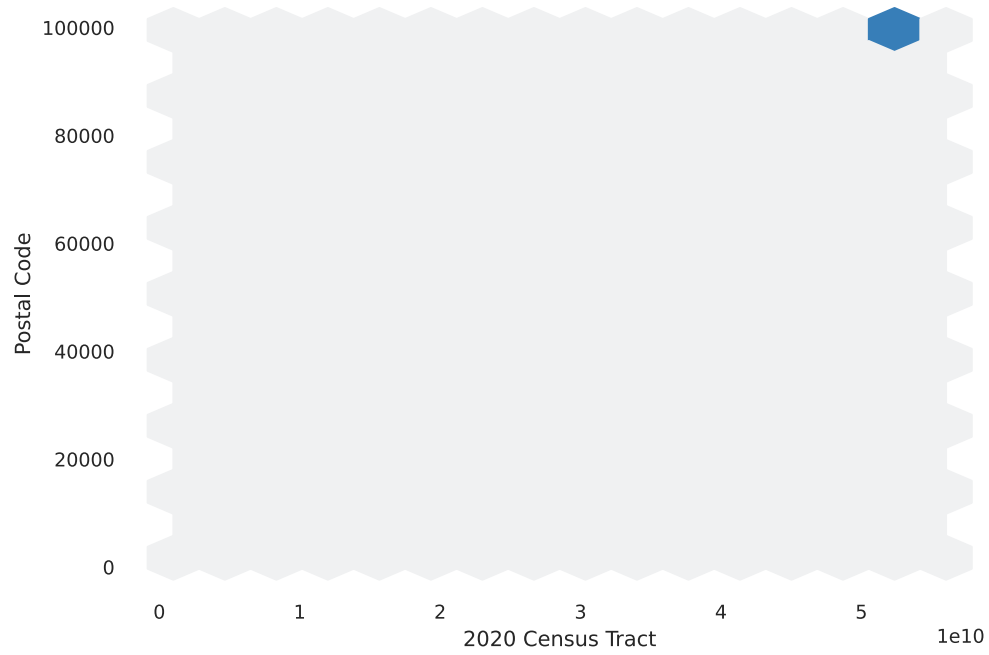




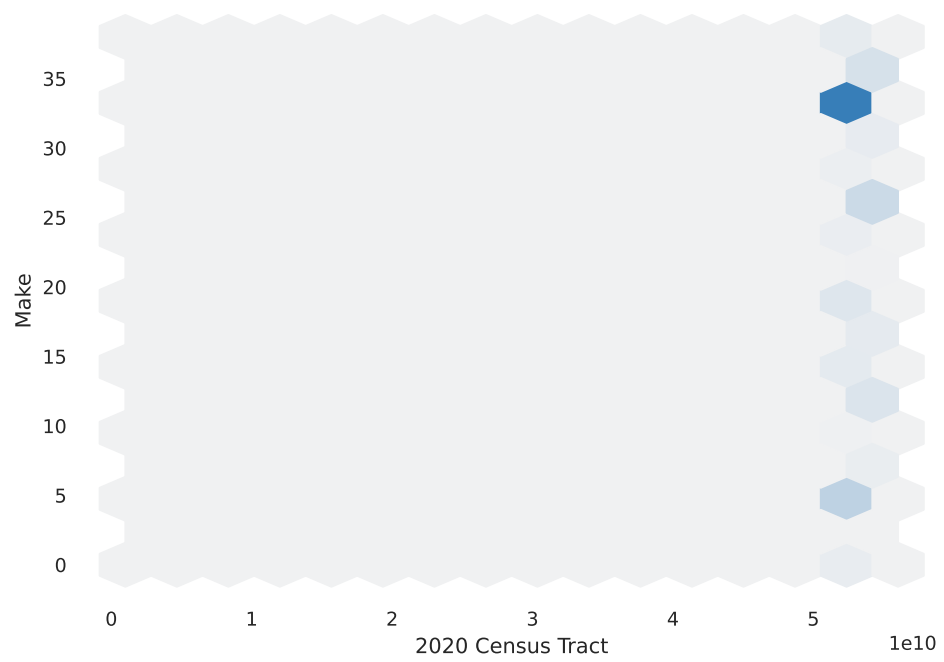






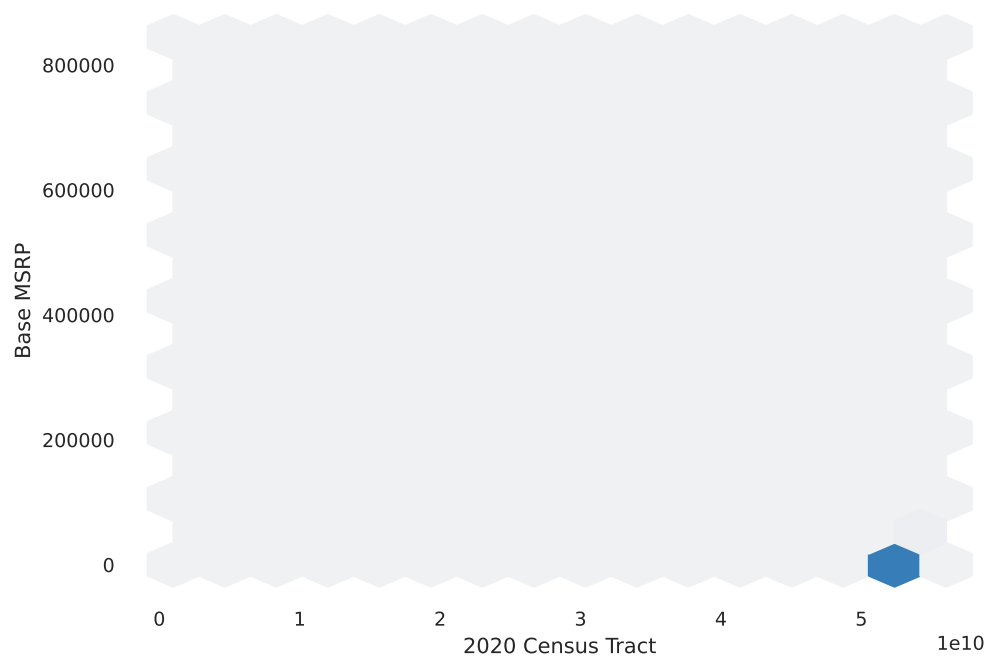


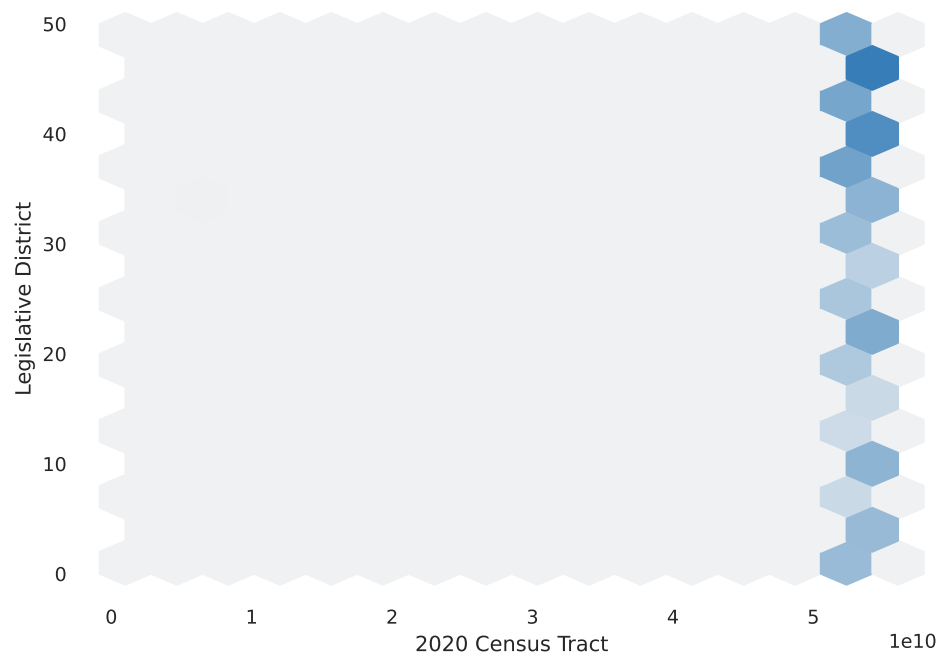


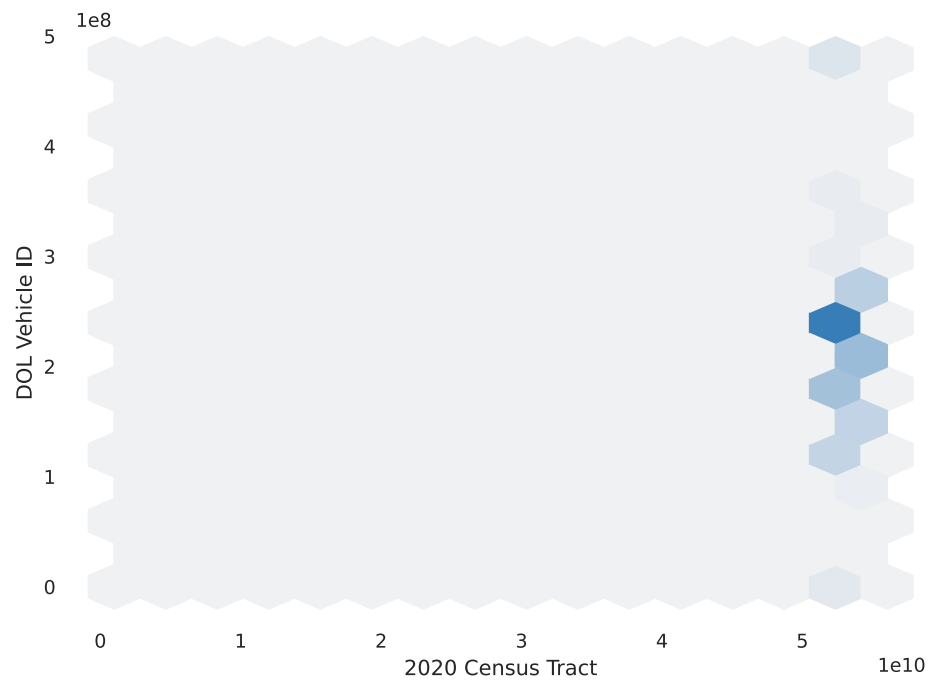




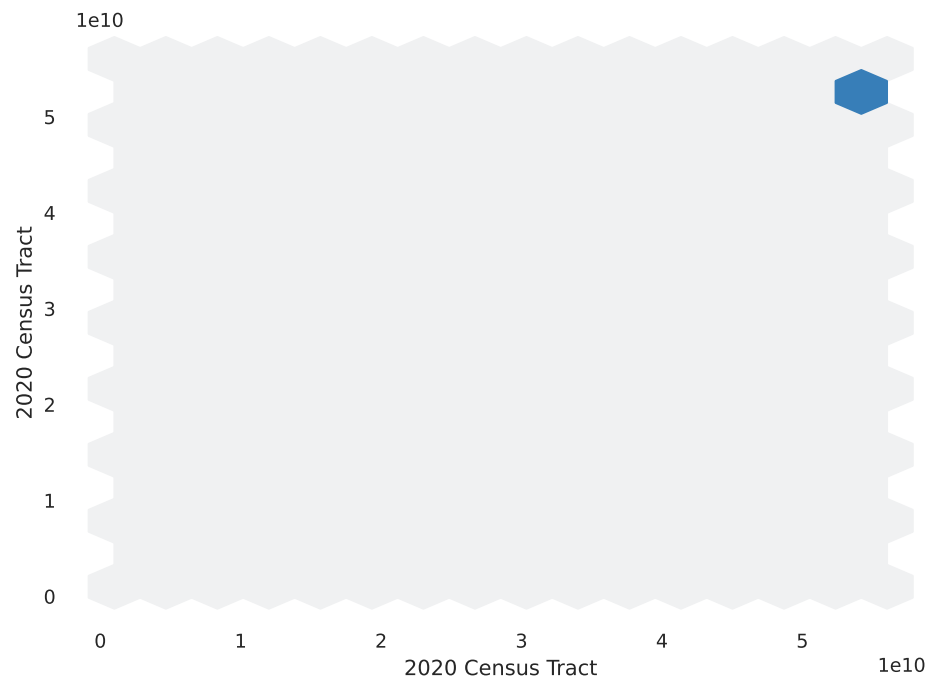


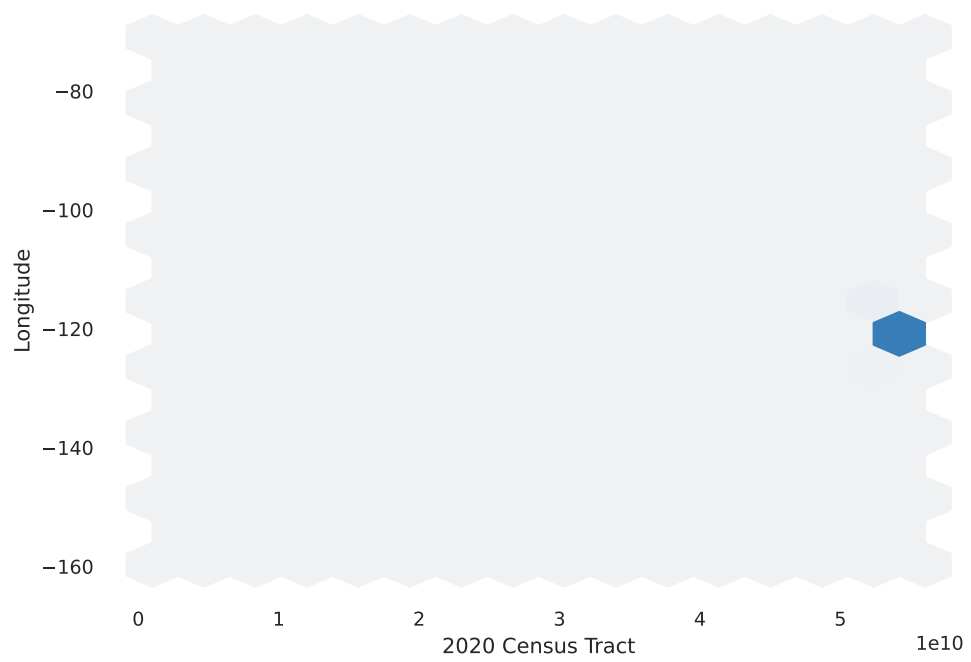




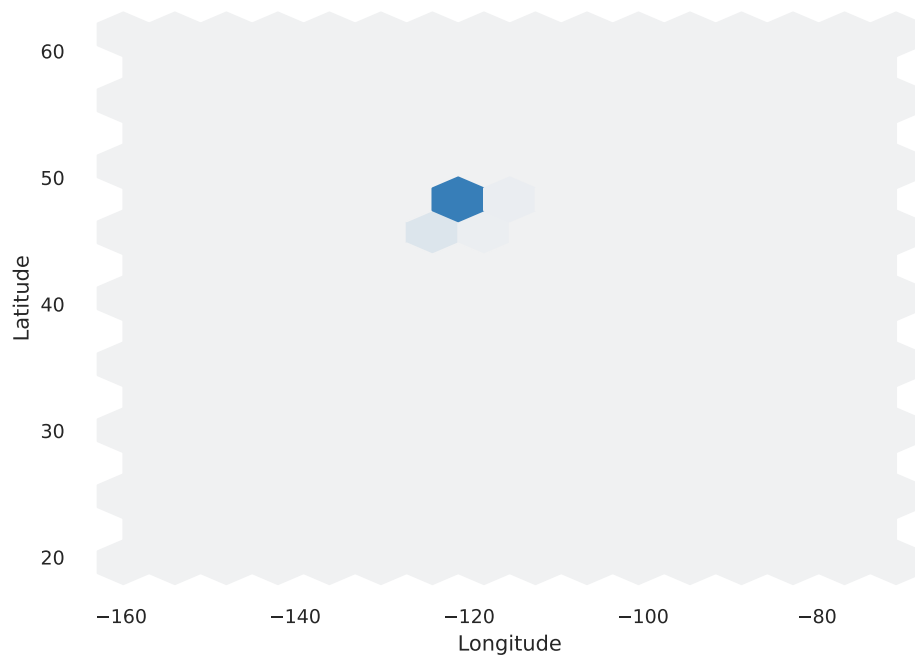


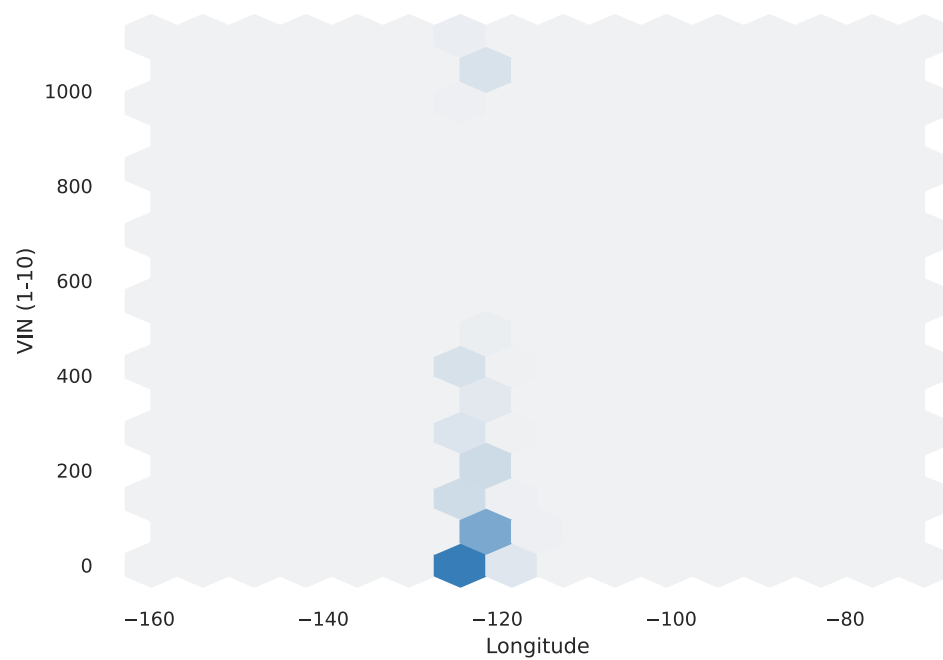


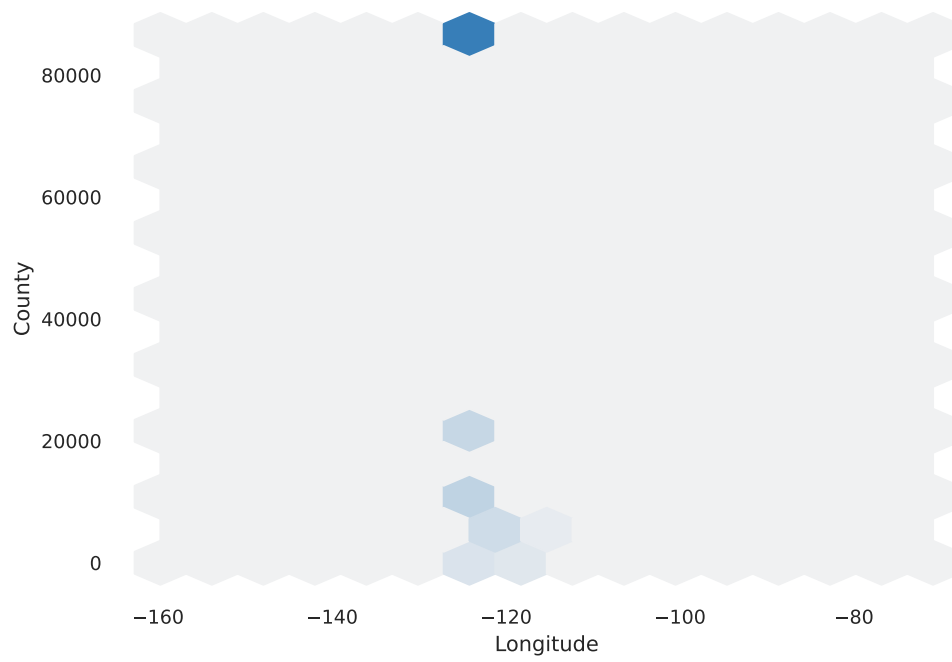


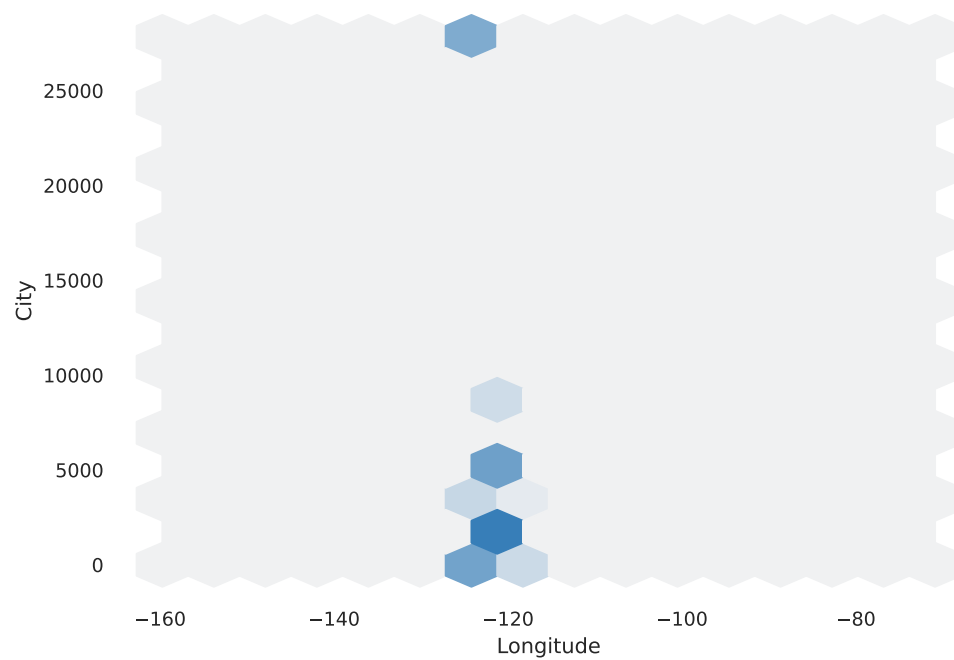


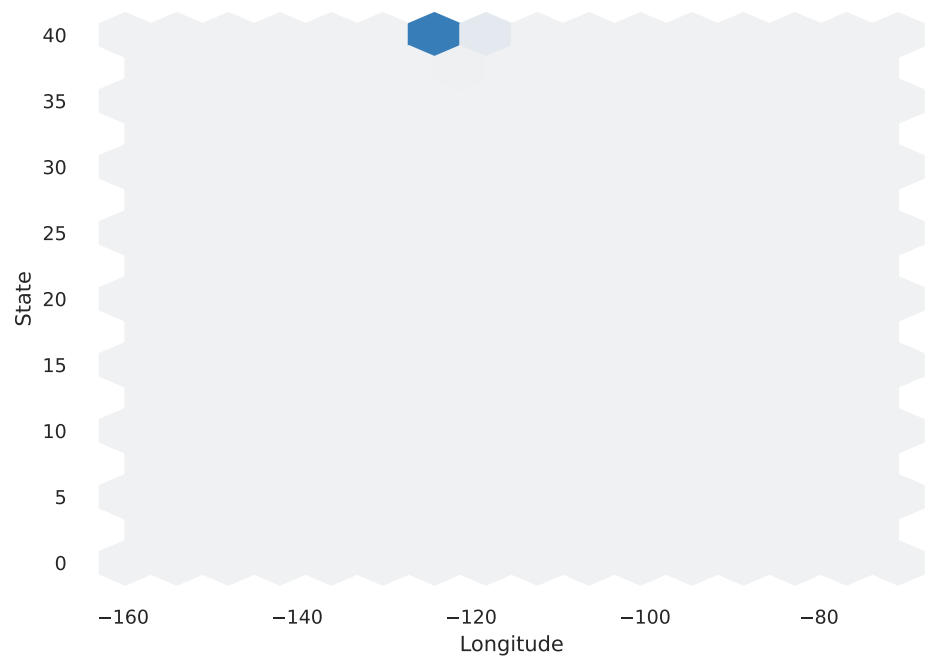
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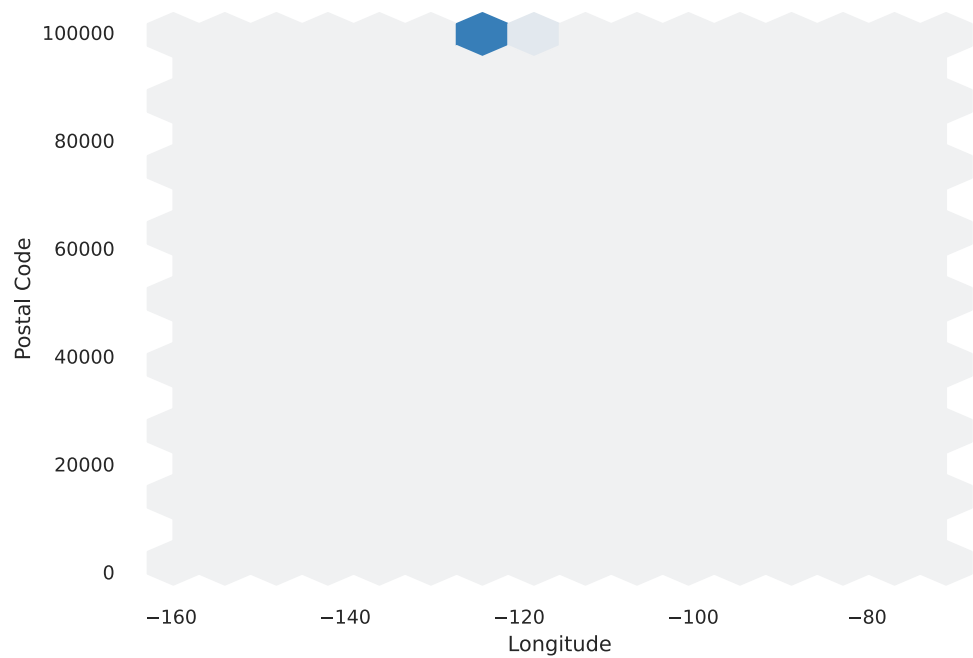


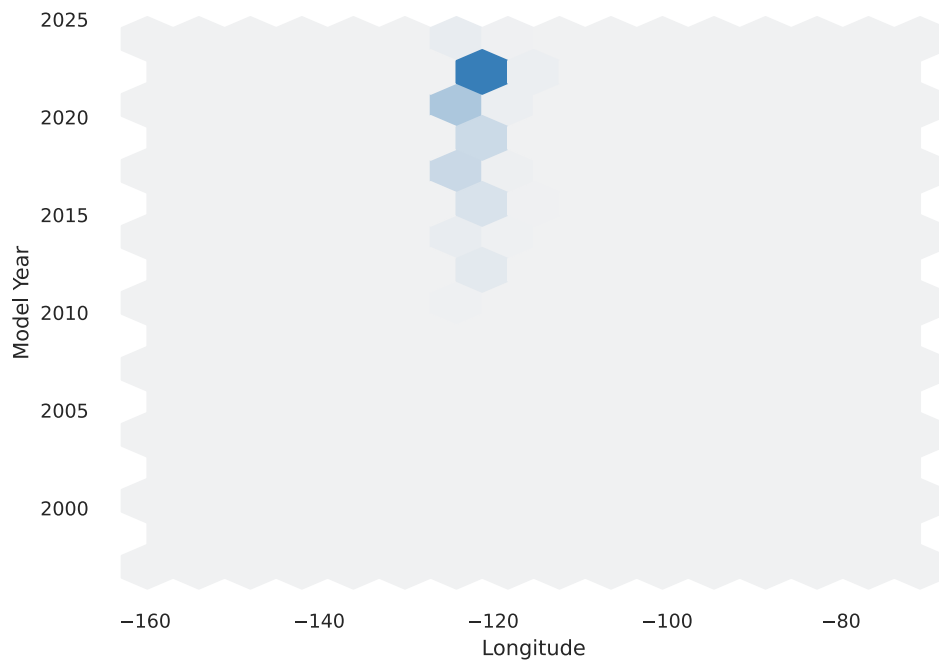


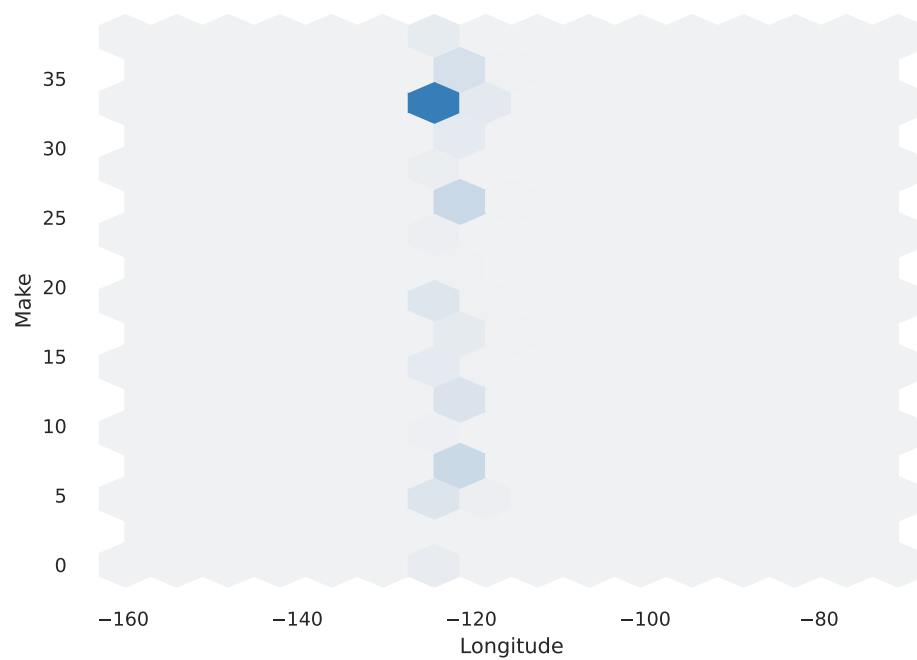


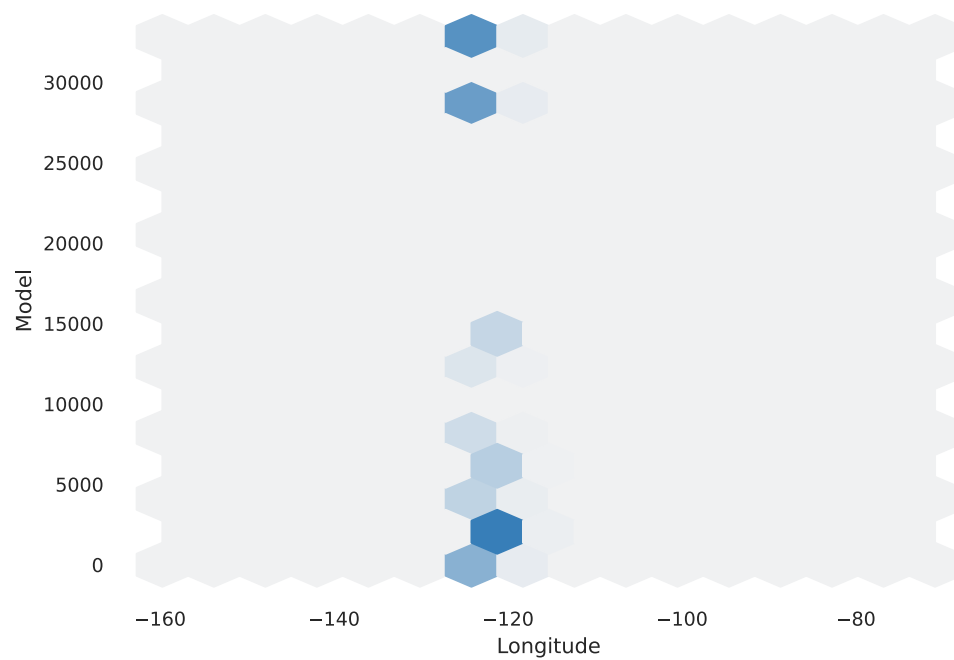


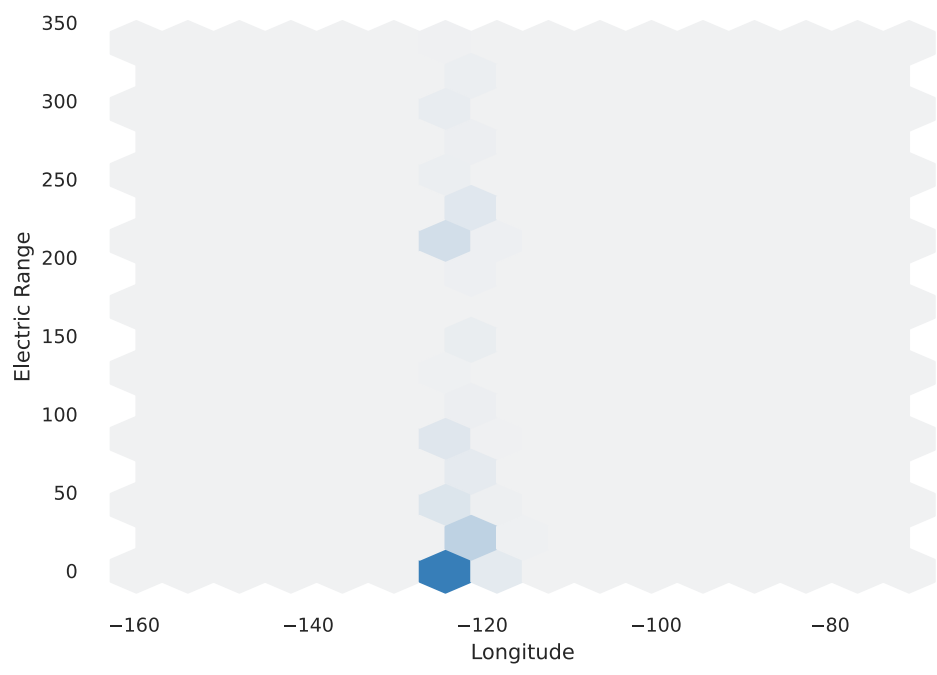


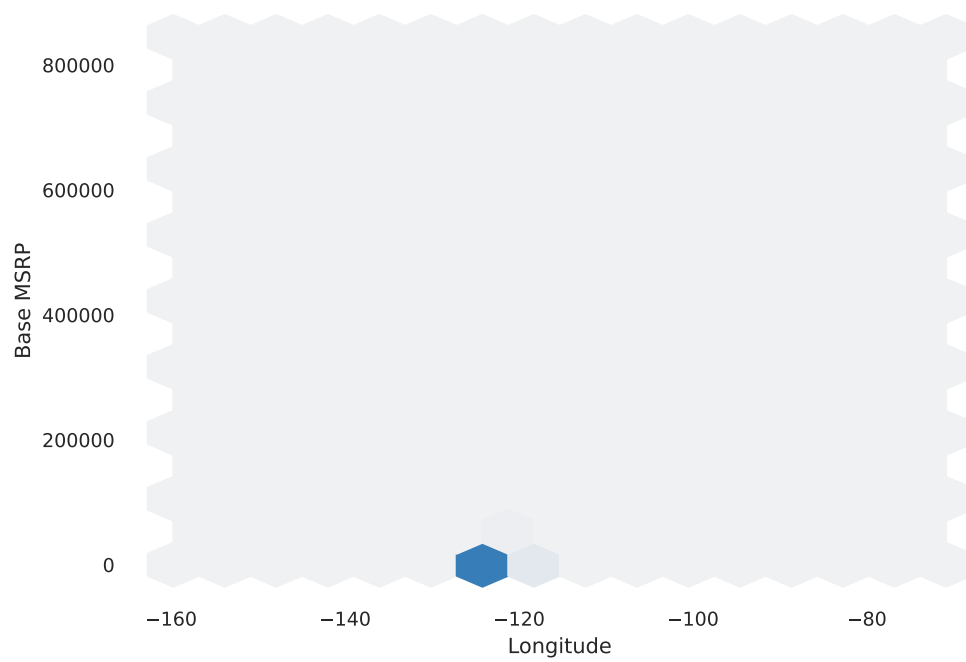


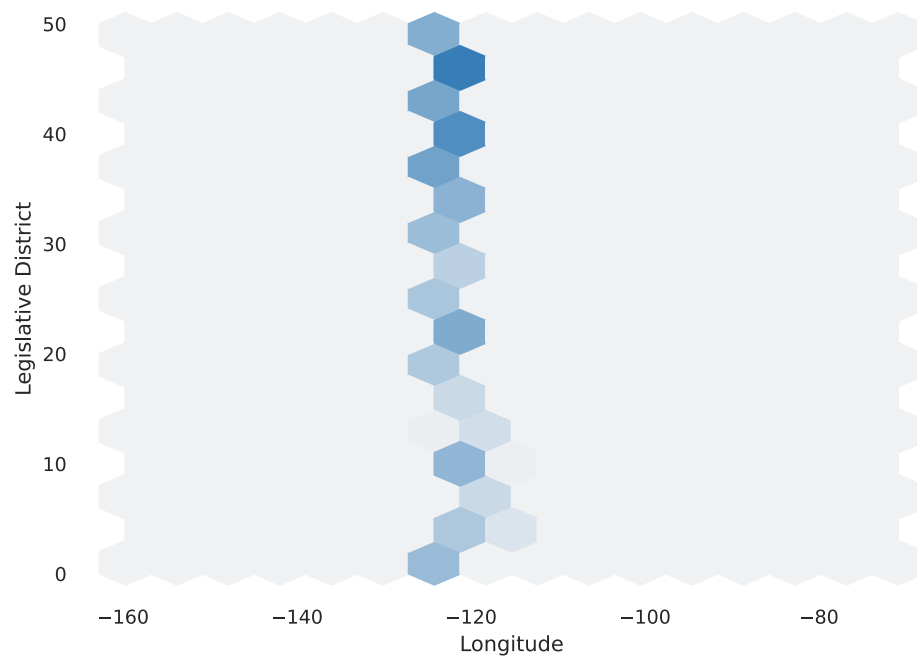


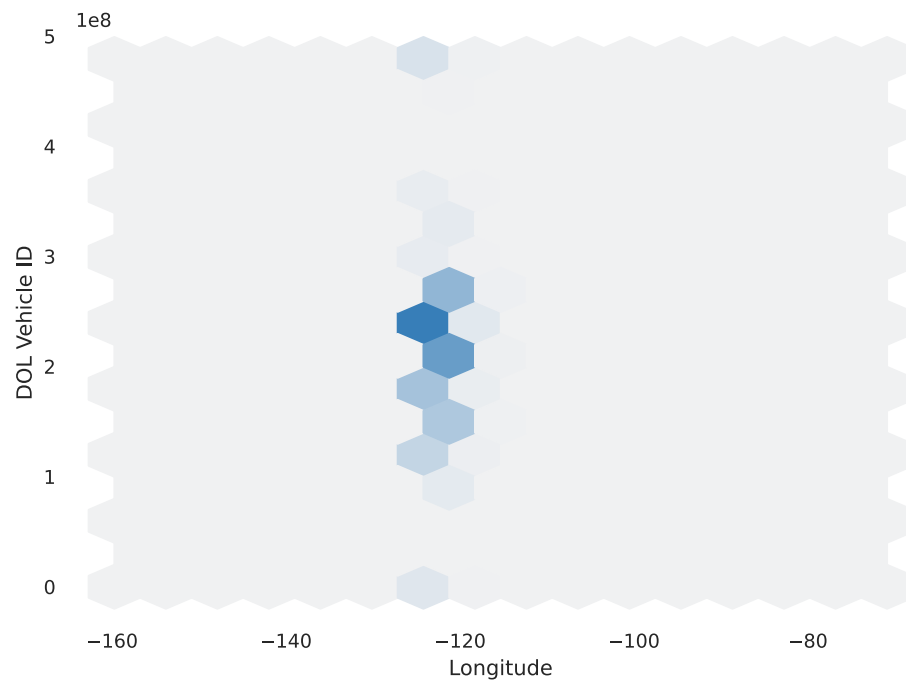


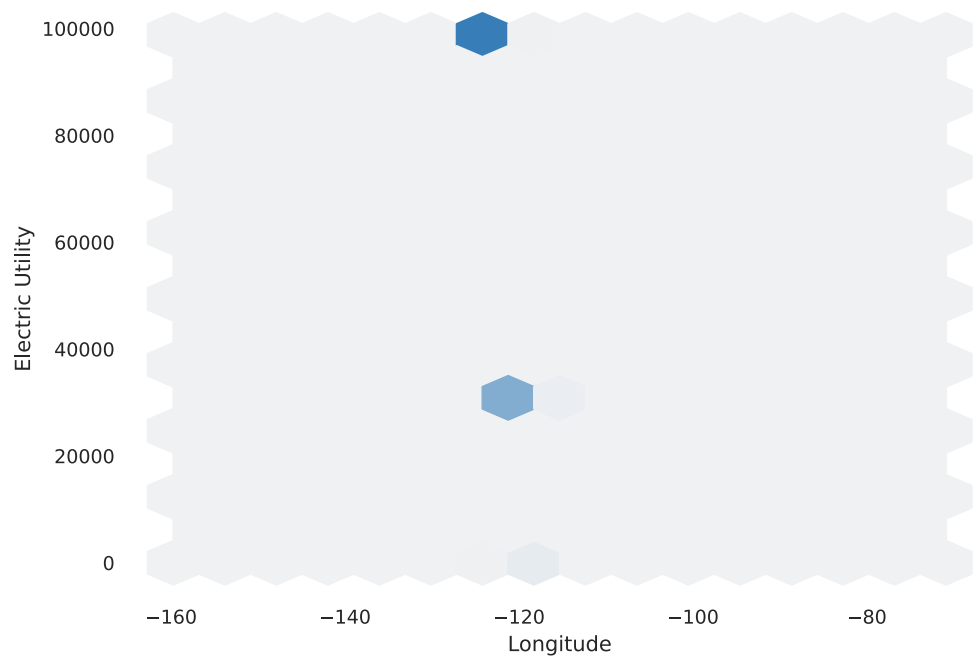


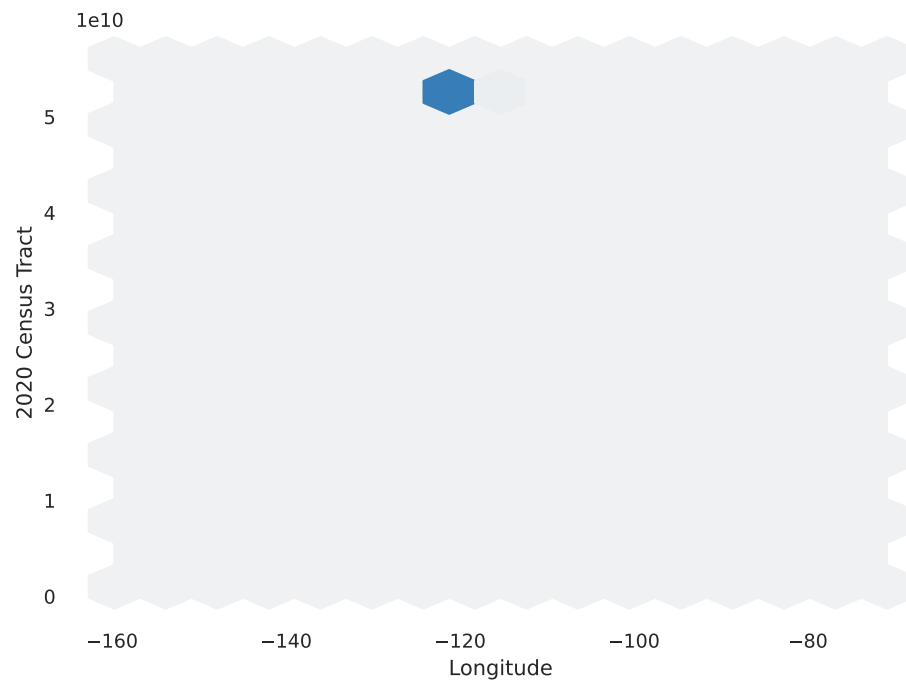


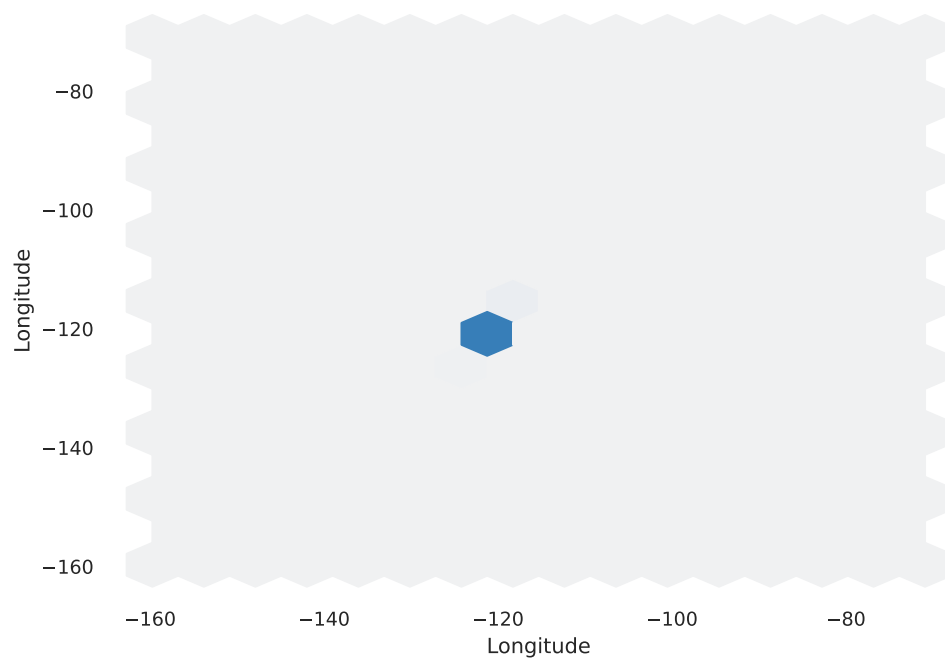




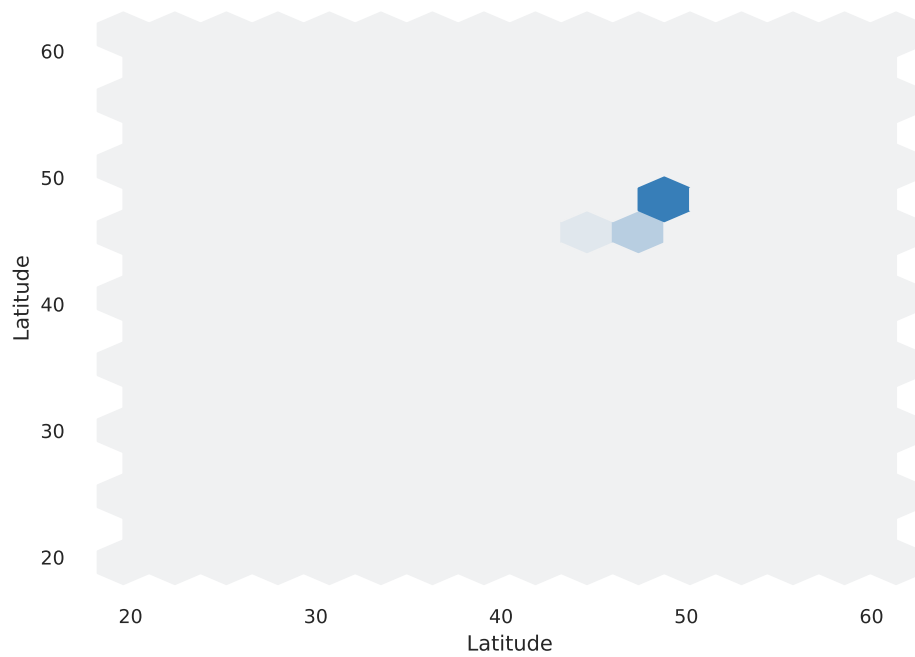


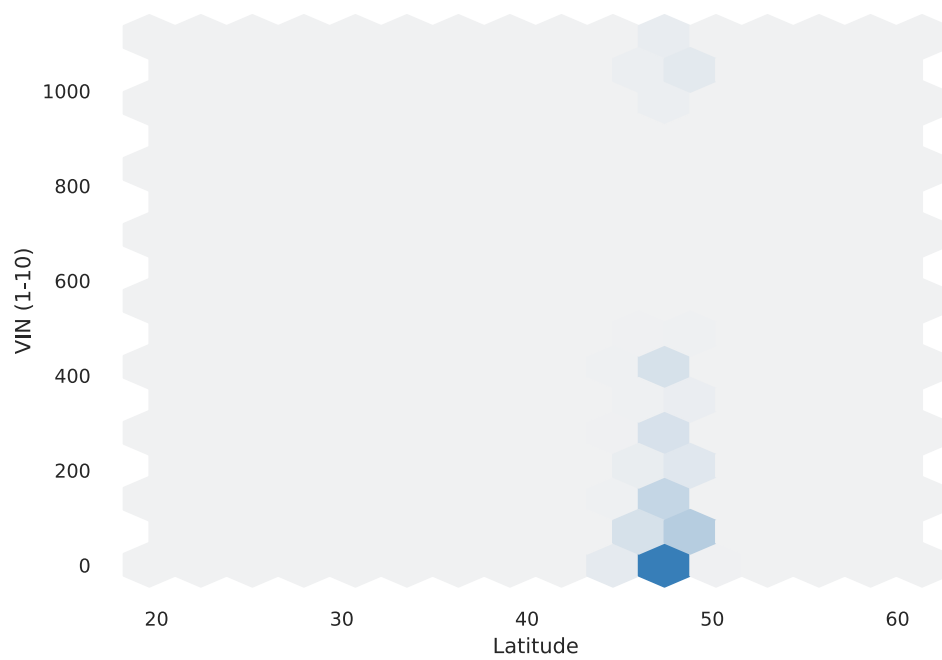


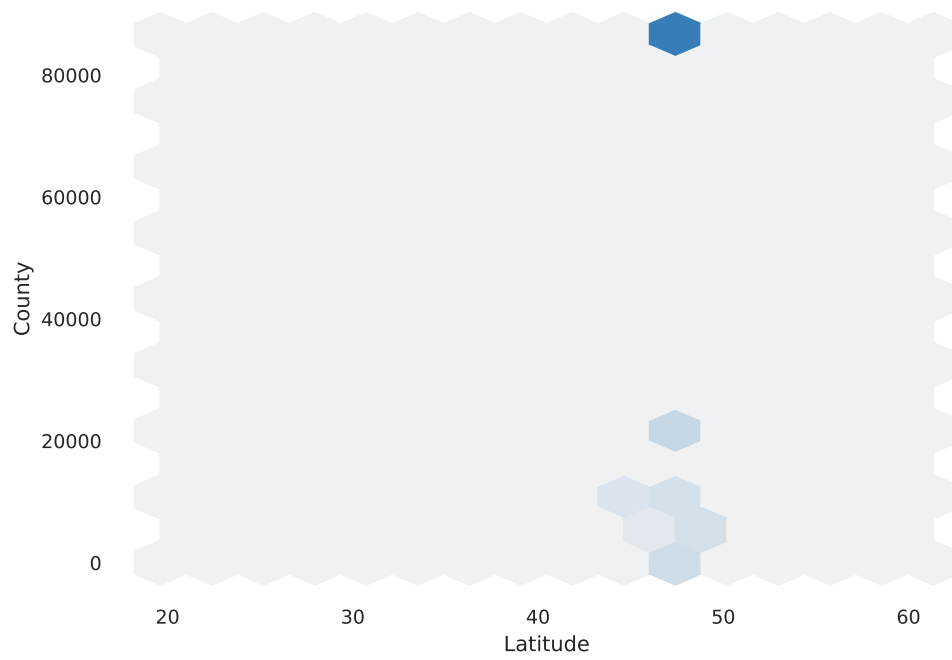


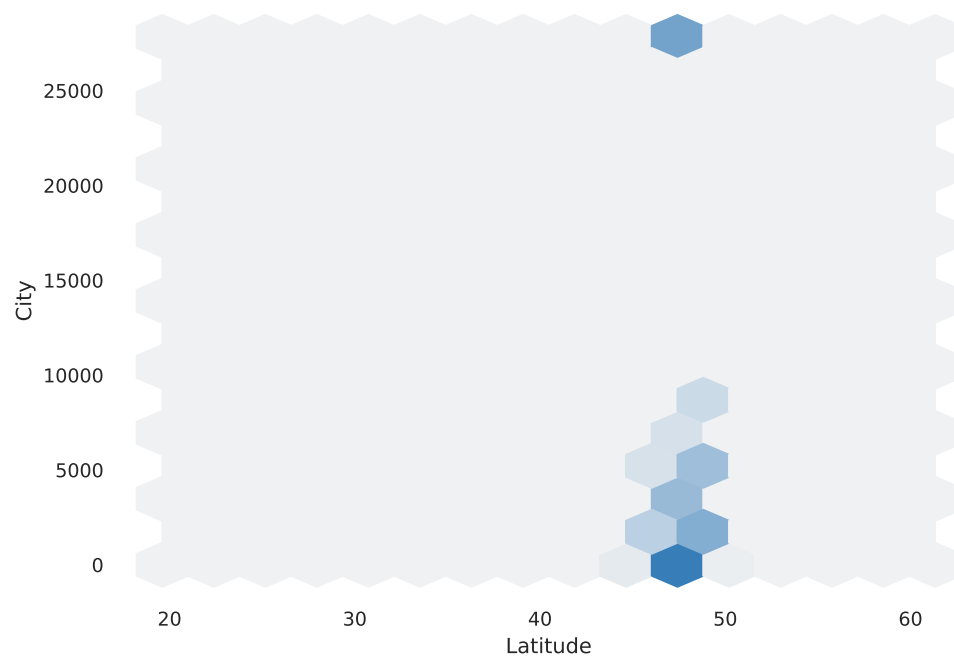


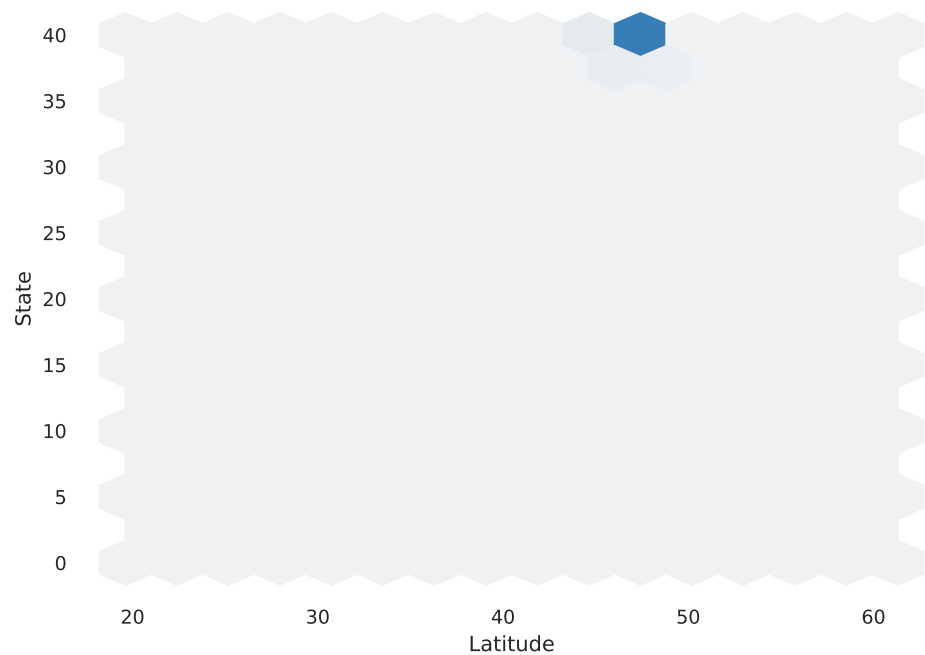
Latitude
VIN (1-10)
County
City
State
Postal Code
Model Year
Make
Model
Electric Range
Base MSRP
Legislative District
DOL Vehicle ID
Electric Utility
2020 Census Tract
Longitude

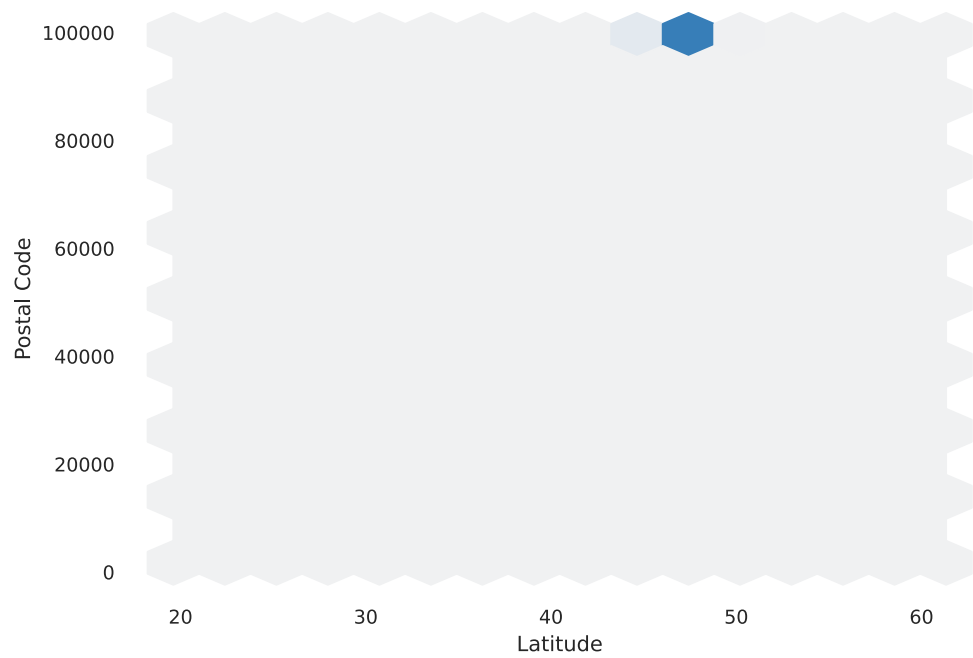


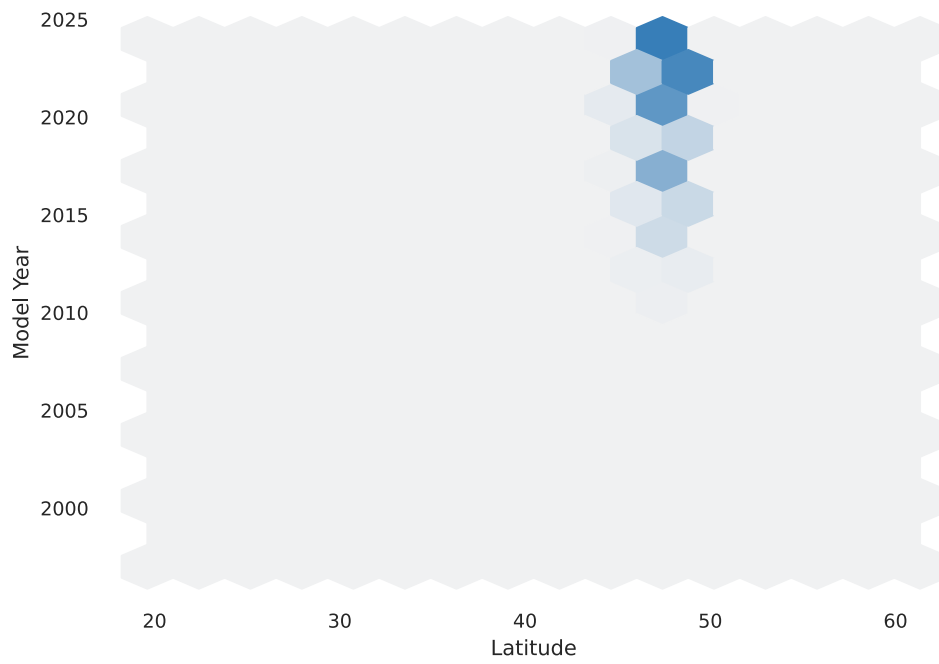


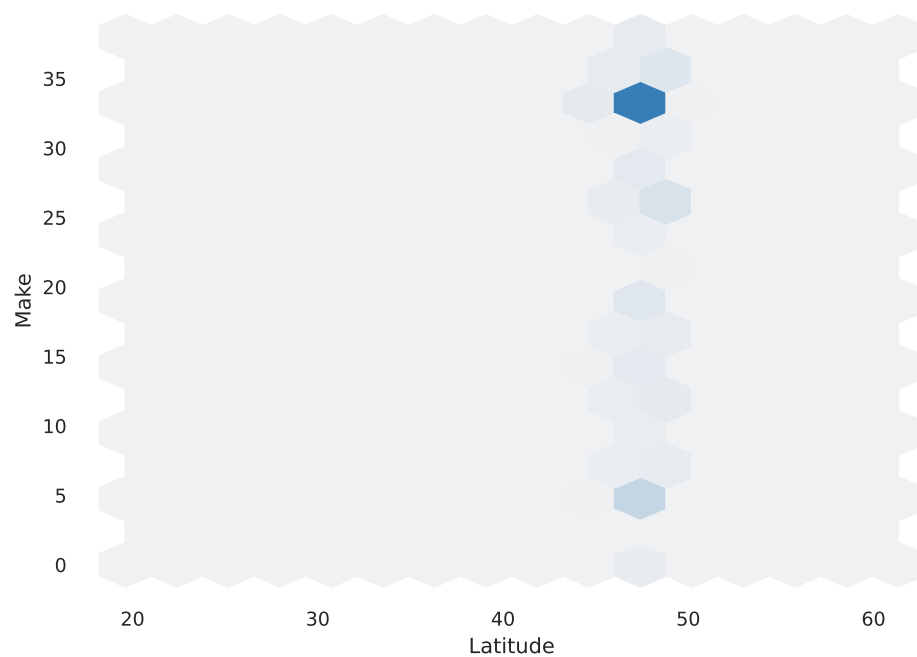


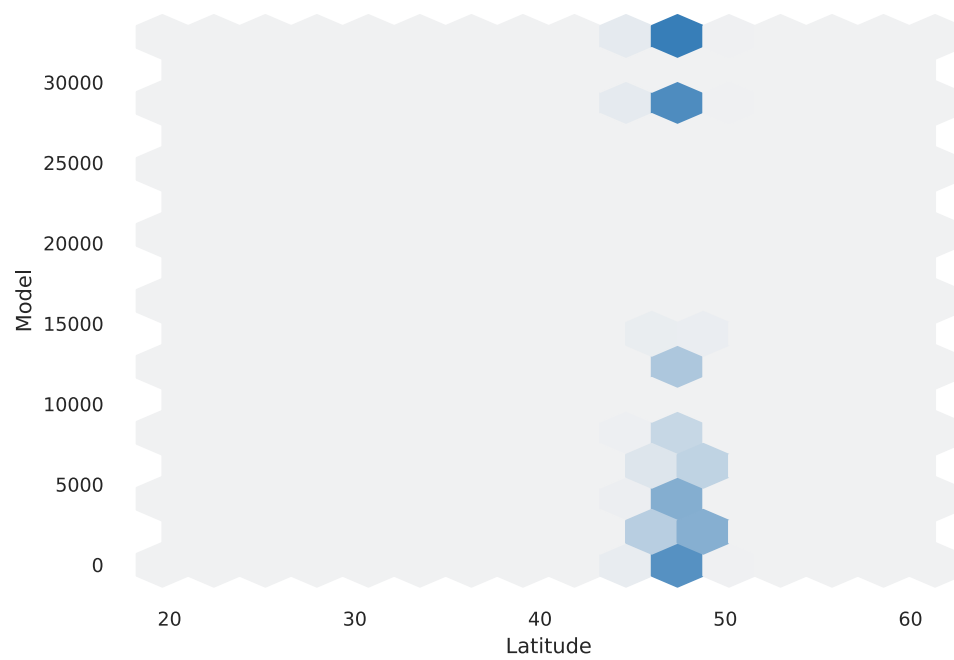


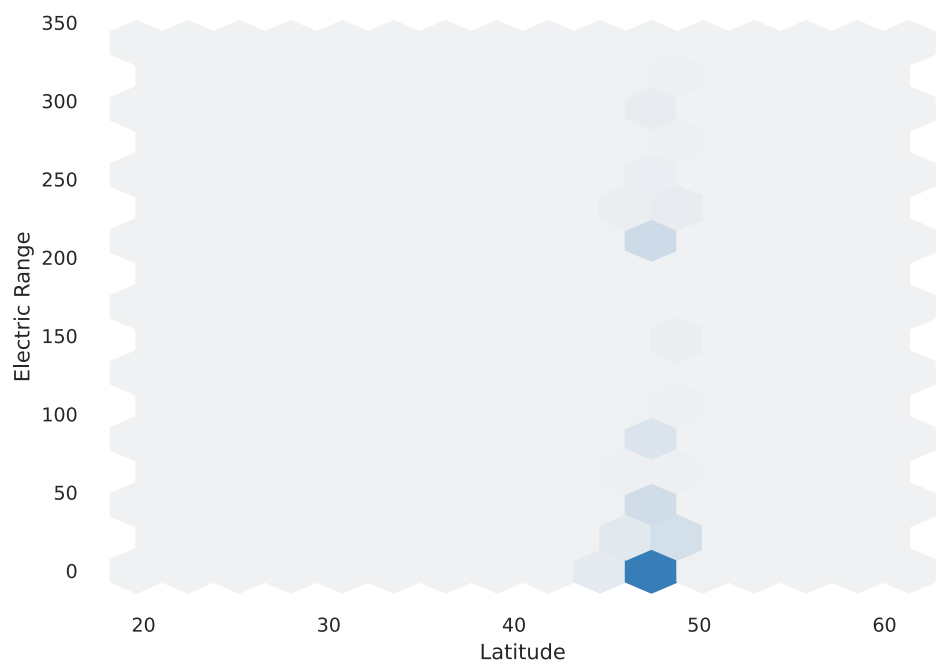


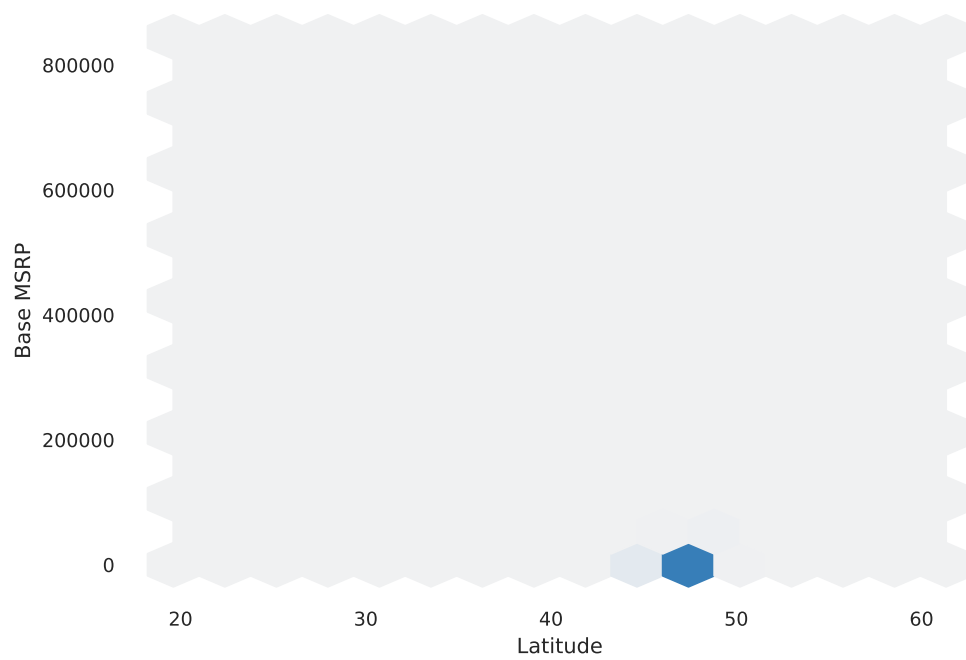


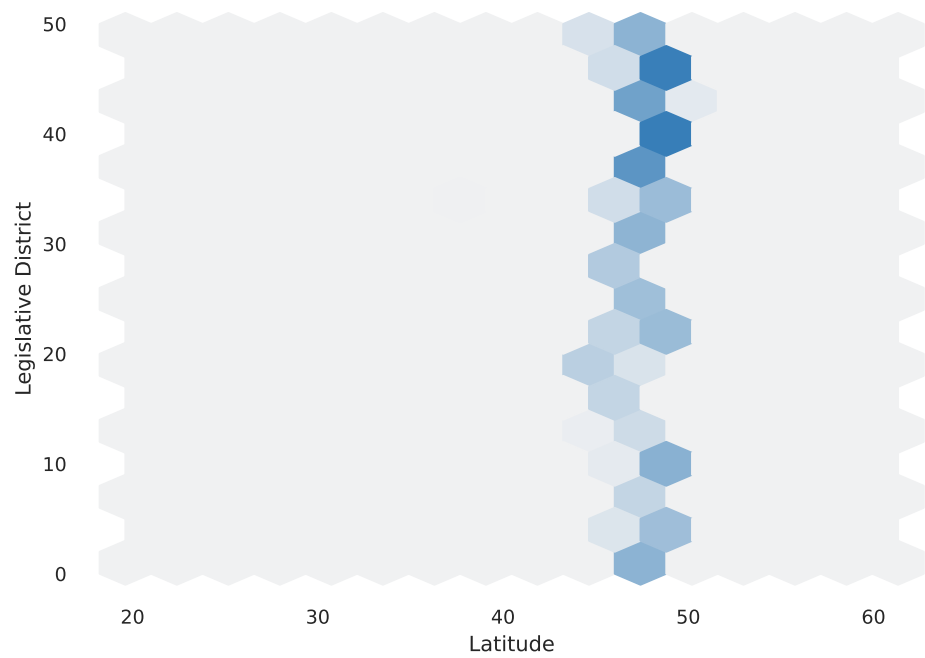


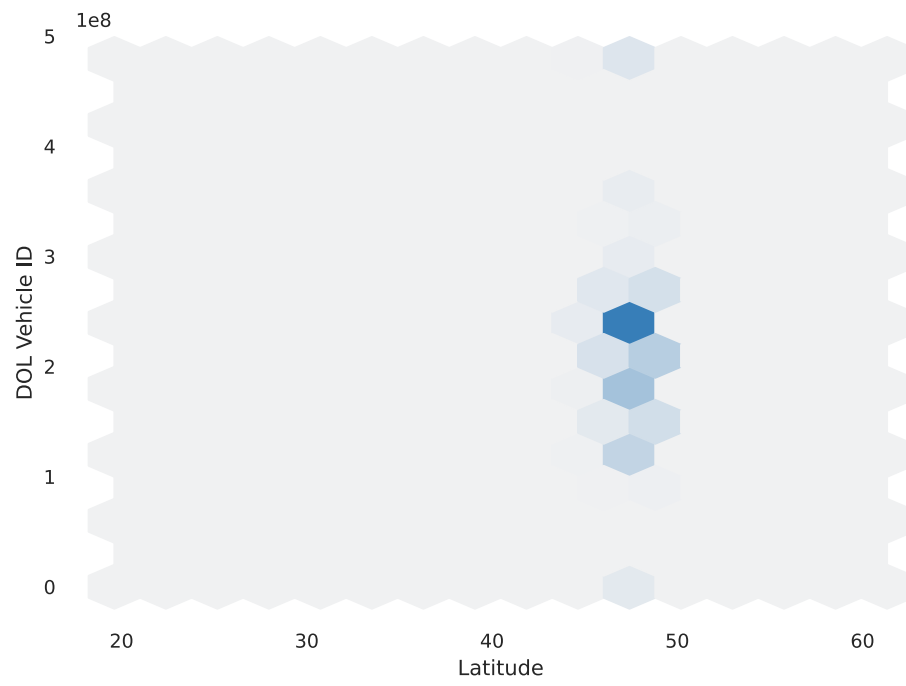


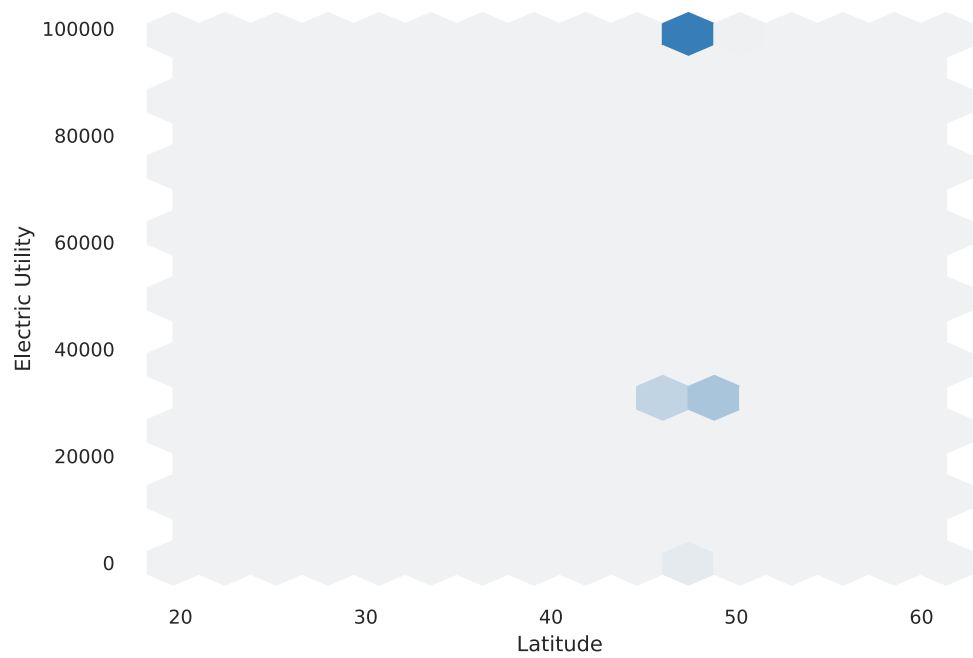


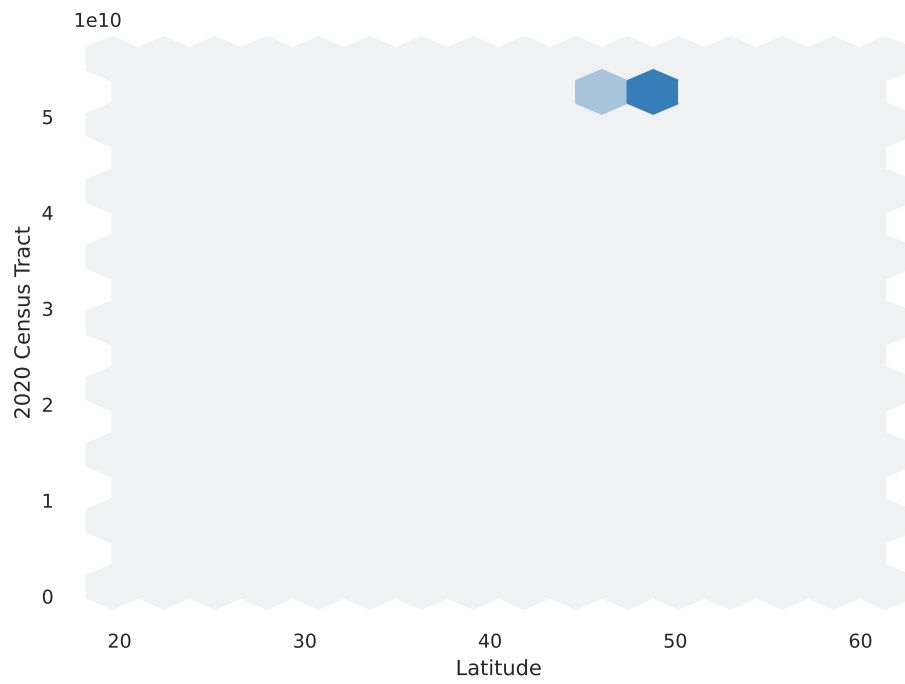


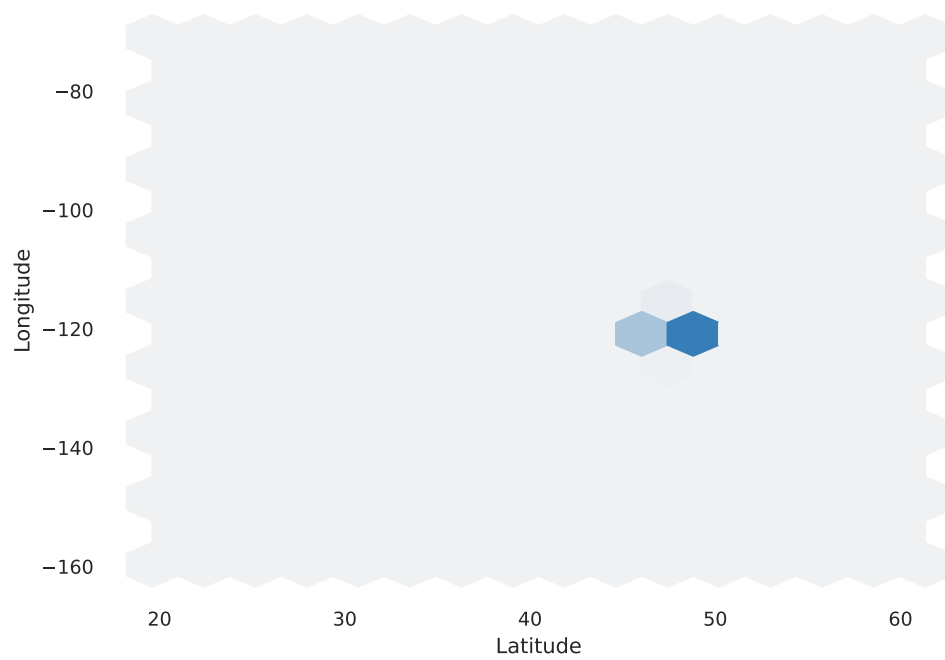




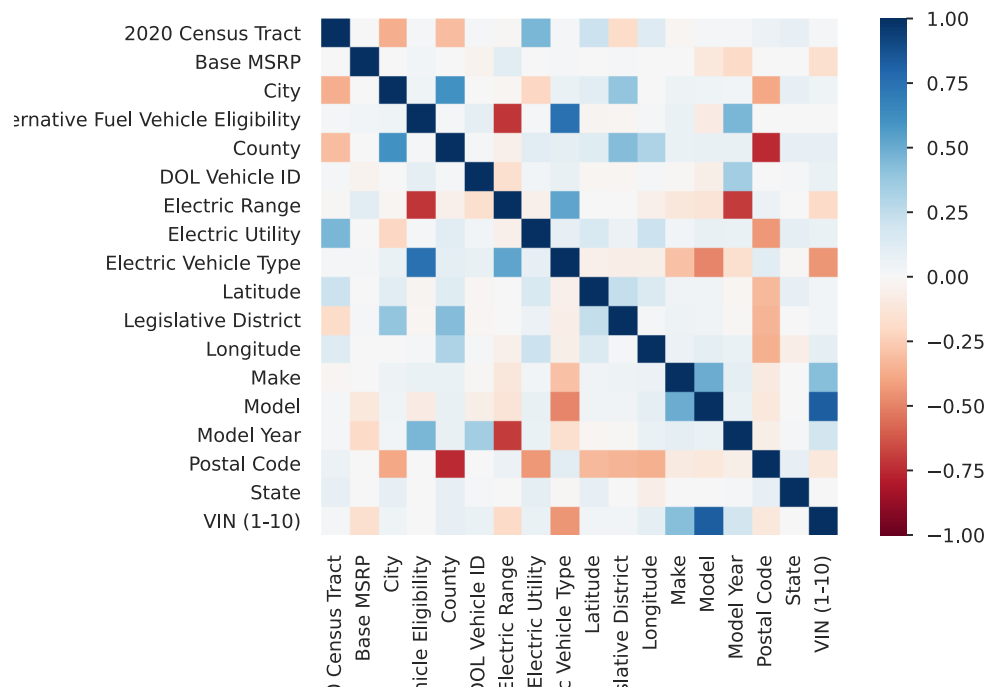






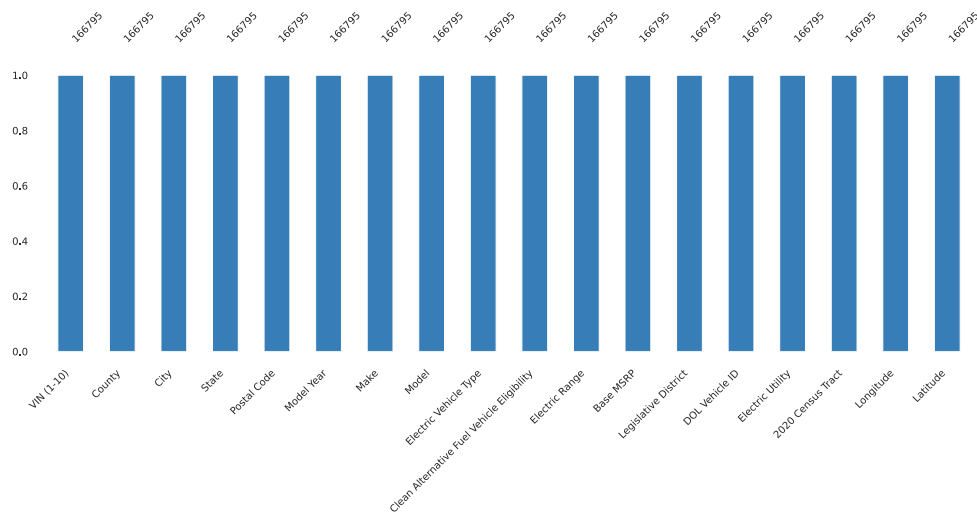


Correlations



| | 2020 Census Tract | Base MSRP | C |
|--|-------------------|-----------|----|
| 2020 Census Tract | 1.000 | 0.000 | -(|
| Base MSRP | 0.000 | 1.000 | -(|
| City | -0.365 | -0.005 | 1 |
| Clean Alternative Fuel Vehicle Eligibility | 0.009 | 0.024 | 0 |
| County | -0.312 | -0.002 | 0 |
| DOL Vehicle ID | 0.011 | -0.035 | -(|
| Electric Range | -0.015 | 0.116 | -(|
| Electric Utility | 0.457 | -0.000 | -(|
| Electric Vehicle Type | 0.013 | 0.022 | 0 |
| Latitude | 0.215 | 0.006 | 0 |

Missing values



A simple visualization of nullity by column.



Nullity matrix is a data-dense display which lets you quickly visually pick out patterns in data completion.

Sample

| | VIN (1-10) | County | City | State | Postal Code | Model Year | Make | Model |
|---|------------|--------|------|-------|-------------|------------|------|-------|
| 0 | 8 | 943 | 639 | 39 | 98902.0 | 2014 | 9 | 801 |
| 1 | 4 | 6042 | 4058 | 39 | 98513.0 | 2017 | 33 | 5428 |
| 2 | 5 | 86594 | 4617 | 39 | 98058.0 | 2023 | 4 | 431 |
| 3 | 98 | 19570 | 5440 | 39 | 98012.0 | 2023 | 30 | 1622 |
| 4 | 170 | 86594 | 2602 | 39 | 98031.0 | 2020 | 33 | 28925 |
| 5 | 35 | 5522 | 655 | 39 | 98370.0 | 2024 | 4 | 2301 |
| 6 | 11 | 5522 | 988 | 39 | 98367.0 | 2018 | 7 | 2878 |
| 7 | 75 | 5522 | 655 | 39 | 98370.0 | 2017 | 6 | 6413 |
| 8 | 231 | 5522 | 988 | 39 | 98366.0 | 2018 | 33 | 28925 |
| 9 | 3 | 86594 | 581 | 39 | 98019.0 | 2018 | 4 | 1919 |

| | VIN (1-10) | County | City | State | Postal Code | Model Year | Make |
|---------------|------------|--------|-------|-------|-------------|------------|------|
| 166785 | 3 | 86594 | 27831 | 39 | 98102.0 | 2024 | 15 |
| 166786 | 18 | 4039 | 2782 | 39 | 98225.0 | 2024 | 17 |
| 166787 | 148 | 1842 | 664 | 39 | 98221.0 | 2013 | 27 |
| 166788 | 7 | 86594 | 5028 | 39 | 98033.0 | 2022 | 29 |
| 166789 | 75 | 597 | 21 | 39 | 98925.0 | 2022 | 18 |
| 166790 | 13 | 4312 | 2573 | 39 | 99223.0 | 2013 | 11 |
| 166791 | 410 | 86594 | 4876 | 39 | 98074.0 | 2021 | 33 |
| 166792 | 375 | 19570 | 737 | 39 | 98275.0 | 2022 | 33 |
| 166793 | 10 | 709 | 28 | 39 | 98564.0 | 2013 | 6 |
| 166794 | 59 | 12972 | 1852 | 39 | 98332.0 | 2017 | 33 |

Report generated by YData (https://ydata.ai/?utm_source=opensource&utm_medium=pandasprofiling&utm_campaign=report).