

ICPSR 38584

**National Neighborhood Data
Archive (NaNDA): Traffic Volume
by Census Tract and ZIP Code
Tabulation Area, United States,
1963-2019**

ICPSR Codebook for Traffic Volume by ZIP
Code Tabulation Area Data

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National Neighborhood Data Archive (NaNDA): Traffic Volume by Census Tract and ZIP Code Tabulation Area, United States, 1963-2019

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ICPSR PROCESSING NOTES FOR #38584

*National Neighborhood Data Archive (NaNDA): Traffic Volume by Census Tract and ZIP Code
Tabulation Area, United States, 1963-2019
DS 2: Traffic Volume by ZIP Code Tabulation Area Data*

1. **Missing Values:** Missing values for the variables **I_MEAN_HW_TRAFFIC**, **I_MIN_HW_TRAFFIC**, and **I_MAX_HW_TRAFFIC** are due to no highways present in the ZIP code tabulation area (ZCTA) (**I_COUNT_HW_TRAFFIC** = 0). Similarly, missing values for the variables **I_MEAN_NONHW_TRAFFIC**, **I_MIN_NONHW_TRAFFIC**, and **I_MAX_NONHW_TRAFFIC** are due to no non-highway roads present in the ZCTA (**I_COUNT_NONHW_TRAFFIC** = 0).
2. **Additional Information:** For additional information on the National Neighborhood Data Archive (NaNDA), please visit the [NaNDA](#) website.

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National Neighborhood Data Archive (NaNDA): Traffic Volume by Census Tract and ZIP Code Tabulation Area, United States, 1963-2019

Variable Description and Frequencies

Note: Frequencies displayed for the variables are not weighted. They are purely descriptive and may not be representative of the study population. Please review any sampling or weighting information available with the study.

Summary statistics (minimum, maximum, arithmetic mean, median, mode, and standard deviation) may not be available for every variable in the codebook. Conversely, a listing of frequencies in table format may not be present for every variable in the codebook either. However, all variables in the dataset are present and display sufficient information about each variable. These decisions are made intentionally and are at the discretion of the archive producing this codebook.

Traffic Volume by ZIP Code Tabulation Area Data

ZCTA19: ZIP code tabulation area, 2019 TIGER/Line shapefiles

Based upon 675,326 valid cases out of 675,326 total cases.

Location: 1-5 (width: 5; decimal: 0)

Variable Type: character

YEAR: Interpolated: Traffic count year

Value	Label	Unweighted Frequency	%
1963	-	1	0.0 %
1964	-	4	0.0 %
1965	-	8	0.0 %
1966	-	26	0.0 %
1967	-	26	0.0 %
1968	-	27	0.0 %
1969	-	35	0.0 %
1970	-	35	0.0 %
1971	-	37	0.0 %
1972	-	61	0.0 %
1973	-	98	0.0 %
1974	-	102	0.0 %
1975	-	134	0.0 %
1976	-	158	0.0 %
1977	-	222	0.0 %
1978	-	280	0.0 %
1979	-	328	0.0 %
1980	-	409	0.1 %
1981	-	494	0.1 %
1982	-	592	0.1 %
1983	-	659	0.1 %
1984	-	804	0.1 %
1985	-	1025	0.2 %
1986	-	1348	0.2 %
1987	-	1656	0.2 %
1988	-	1989	0.3 %
1989	-	2607	0.4 %
1990	-	3272	0.5 %
1991	-	4122	0.6 %
1992	-	5361	0.8 %
1993	-	6875	1.0 %

Value	Label	Unweighted Frequency	%
1994	-	9325	1.4 %
1995	-	11584	1.7 %
1996	-	15555	2.3 %
1997	-	24466	3.6 %
1998	-	27176	4.0 %
1999	-	27374	4.1 %
2000	-	27560	4.1 %
2001	-	27887	4.1 %
2002	-	28416	4.2 %
2003	-	28782	4.3 %
2004	-	28847	4.3 %
2005	-	28910	4.3 %
2006	-	28431	4.2 %
2007	-	27515	4.1 %
2008	-	27546	4.1 %
2009	-	27323	4.0 %
2010	-	27378	4.1 %
2011	-	27217	4.0 %
2012	-	27055	4.0 %
	Total	675,326	100%

Please note that only the first 50 response categories are displayed in the PDF codebook. To view all response categories, please analyze the data file in the statistical package of your choice (SAS, SPSS, Stata, R).

Based upon 675,326 valid cases out of 675,326 total cases.

- Mean: 2005.97
- Median: 2006.00
- Mode: 2005.00
- Minimum: 1963.00
- Maximum: 2019.00
- Standard Deviation: 7.71

Location: 6-9 (width: 4; decimal: 0)

Variable Type: numeric

INTP_FLAG: Flag for interpolated value. 0=Original data, 1=Interpolated data

Value	Label	Unweighted Frequency	%
0	-	293945	43.5 %
1	-	381381	56.5 %
	Total	675,326	100%

Based upon 675,326 valid cases out of 675,326 total cases.

- Mean: 0.56
- Median: 1.00
- Mode: 1.00
- Minimum: 0.00
- Maximum: 1.00
- Standard Deviation: 0.50

Location: 10-10 (width: 1; decimal: 0)

Variable Type: numeric

I_MEAN_TRAFFIC: Interpolated: Mean of average daily traffic counts in ZCTA

Based upon 675,326 valid cases out of 675,326 total cases.

- Mean: 8769.47110696
- Minimum: 1.00000000
- Maximum: 359666.65625000
- Standard Deviation: 16532.50862389

Location: 11-25 (width: 15; decimal: 8)

Variable Type: numeric

I_MIN_TRAFFIC: Interpolated: Lowest average daily traffic count in ZCTA

Based upon 675,326 valid cases out of 675,326 total cases.

- Mean: 4052.75883135
- Minimum: 1.00000000
- Maximum: 356000.00000000
- Standard Deviation: 12884.71281455

Location: 26-40 (width: 15; decimal: 8)

Variable Type: numeric

I_MAX_TRAFFIC: Interpolated: Highest average daily traffic count in ZCTA

Based upon 675,326 valid cases out of 675,326 total cases.

- Mean: 20441.6936248
- Minimum: 1.00000000
- Maximum: 1785989.00000000
- Standard Deviation: 34492.6286985

Location: 41-55 (width: 15; decimal: 7)

Variable Type: numeric

I_COUNT_TRAFFIC: Interpolated: # traffic measurements in ZCTA

Based upon 675,326 valid cases out of 675,326 total cases.

- Mean: 14.61500519746
- Minimum: 1.000000000000
- Maximum: 966.000000000000
- Standard Deviation: 24.96723171102

Location: 56-70 (width: 15; decimal: 11)

Variable Type: numeric

I_TOTAL_TRAFFIC: Interpolated: Sum of average daily traffic counts in ZCTA

Based upon 675,326 valid cases out of 675,326 total cases.

- Mean: 108149.5057747
- Minimum: 1.0000000
- Maximum: 7662600.0000000
- Standard Deviation: 241438.3931931

Location: 71-85 (width: 15; decimal: 7)

Variable Type: numeric

I_MEAN_HW_TRAFFIC: Interpolated: Mean of average daily highway traffic counts in ZCTA

Based upon 140,955 valid cases out of 675,326 total cases.

- Mean: 29418.17717435
- Minimum: 4.00000000
- Maximum: 406200.00000000
- Standard Deviation: 42097.47783894

Location: 86-100 (width: 15; decimal: 8)

Variable Type: numeric

I_MIN_HW_TRAFFIC: Interpolated: Lowest average daily highway traffic count in ZCTA

Based upon 140,955 valid cases out of 675,326 total cases.

- Mean: 23194.00581718
- Minimum: 1.00000000
- Maximum: 406200.00000000
- Standard Deviation: 38949.98420460

Location: 101-115 (width: 15; decimal: 8)

Variable Type: numeric

I_MAX_HW_TRAFFIC: Interpolated: Highest average daily highway traffic count in ZCTA

Based upon 140,955 valid cases out of 675,326 total cases.

- Mean: 36914.34019213
- Minimum: 6.00000000
- Maximum: 674123.00000000
- Standard Deviation: 50126.94103795

Location: 116-130 (width: 15; decimal: 8)

Variable Type: numeric

I_COUNT_HW_TRAFFIC: Interpolated: # highway traffic measurements in ZCTA

Value	Label	Unweighted Frequency	%
0.000000000000	-	454061	67.2 %
0.034482758492	-	1	0.0 %
0.039999999106	-	1	0.0 %

Value	Label	Unweighted Frequency	%
0.043478261679	-	2	0.0 %
0.045454546809	-	8	0.0 %
0.047619048506	-	56	0.0 %
0.050000000745	-	18	0.0 %
0.052631579340	-	8	0.0 %
0.055555555969	-	11	0.0 %
0.058823529631	-	17	0.0 %
0.062500000000	-	104	0.0 %
0.066666670144	-	153	0.0 %
0.068965516984	-	1	0.0 %
0.071428574622	-	83	0.0 %
0.076923079789	-	120	0.0 %
0.079999998212	-	1	0.0 %
0.083333335817	-	103	0.0 %
0.086956523359	-	2	0.0 %
0.090909093618	-	81	0.0 %
0.095238097012	-	91	0.0 %
0.100000001490	-	137	0.0 %
0.103448279202	-	1	0.0 %
0.105263158679	-	10	0.0 %
0.111111111939	-	167	0.0 %
0.117647059262	-	21	0.0 %
0.119999997318	-	1	0.0 %
0.125000000000	-	382	0.1 %
0.130434781313	-	2	0.0 %
0.133333340287	-	221	0.0 %
0.136363640428	-	9	0.0 %
0.137931033969	-	1	0.0 %
0.142857149243	-	428	0.1 %
0.150000005960	-	19	0.0 %
0.153846159577	-	171	0.0 %
0.157894730568	-	9	0.0 %
0.159999996424	-	1	0.0 %
0.166666671634	-	529	0.1 %
0.172413796186	-	1	0.0 %
0.173913046718	-	2	0.0 %
0.176470592618	-	19	0.0 %
0.181818187237	-	104	0.0 %
0.187500000000	-	124	0.0 %

Value	Label	Unweighted Frequency	%
0.190476194024	-	98	0.0 %
0.200000002980	-	924	0.1 %
0.206896558404	-	1	0.0 %
0.210526317358	-	10	0.0 %
0.214285716414	-	102	0.0 %
0.217391297221	-	2	0.0 %
0.222222223878	-	237	0.0 %
0.227272734046	-	8	0.0 %
	Total	675,326	100%

Please note that only the first 50 response categories are displayed in the PDF codebook. To view all response categories, please analyze the data file in the statistical package of your choice (SAS, SPSS, Stata, R).

Based upon 675,326 valid cases out of 675,326 total cases.

- Mean: 0.913446987567
- Minimum: 0.000000000000
- Maximum: 88.000000000000
- Standard Deviation: 2.270977740542

Location: 131-145 (width: 15; decimal: 12)

Variable Type: numeric

I_TOTAL_HW_TRAFFIC: Interpolated: Sum of average daily highway traffic counts in ZCTA

Based upon 675,326 valid cases out of 675,326 total cases.

- Mean: 26404.0620293
- Minimum: 0.0000000
- Maximum: 7544600.0000000
- Standard Deviation: 105640.0889292

Location: 146-160 (width: 15; decimal: 7)

Variable Type: numeric

I_MEAN_NONHW_TRAFFIC: Interpolated: Mean of average daily non-highway traffic counts in ZCTA

Based upon 637,780 valid cases out of 675,326 total cases.

- Mean: 6591.17301178
- Minimum: 1.00000000
- Maximum: 375250.00000000
- Standard Deviation: 10771.39234880

Location: 161-175 (width: 15; decimal: 8)

Variable Type: numeric

I_MIN_NONHW_TRAFFIC: Interpolated: Lowest average daily non-highway traffic count in ZCTA

Based upon 637,780 valid cases out of 675,326 total cases.

- Mean: 3131.14328603
- Minimum: 1.00000000
- Maximum: 352600.00000000
- Standard Deviation: 8579.81765021

Location: 176-190 (width: 15; decimal: 8)

Variable Type: numeric

I_MAX_NONHW_TRAFFIC: Interpolated: Highest average daily non-highway traffic count in ZCTA

Based upon 637,780 valid cases out of 675,326 total cases.

- Mean: 14049.6035661
- Minimum: 1.00000000
- Maximum: 1785989.00000000
- Standard Deviation: 21257.4567359

Location: 191-205 (width: 15; decimal: 7)

Variable Type: numeric

I_COUNT_NONHW_TRAFFIC: Interpolated: # non-highway traffic measurements in ZCTA

Based upon 675,326 valid cases out of 675,326 total cases.

- Mean: 13.70155821046
- Minimum: 0.000000000000
- Maximum: 966.000000000000
- Standard Deviation: 24.14480572147

Location: 206-220 (width: 15; decimal: 11)

Variable Type: numeric

I_TOTAL_NONHW_TRAFFIC: Interpolated: Sum of average daily non-highway traffic counts in ZCTA

Based upon 675,326 valid cases out of 675,326 total cases.

- Mean: 81745.4437490
- Minimum: 0.00000000
- Maximum: 5990708.00000000
- Standard Deviation: 184236.5972639

Location: 221-235 (width: 15; decimal: 7)

Variable Type: numeric

COUNT_INTERSECTIONS: # intersections in ZCTA

Value	Label	Unweighted Frequency	%
0	-	616	0.1 %
1	-	100	0.0 %
2	-	443	0.1 %

Value	Label	Unweighted Frequency	%
3	-	311	0.0 %
4	-	442	0.1 %
5	-	341	0.1 %
6	-	266	0.0 %
7	-	422	0.1 %
8	-	397	0.1 %
9	-	395	0.1 %
10	-	385	0.1 %
11	-	444	0.1 %
12	-	422	0.1 %
13	-	535	0.1 %
14	-	551	0.1 %
15	-	579	0.1 %
16	-	714	0.1 %
17	-	620	0.1 %
18	-	635	0.1 %
19	-	796	0.1 %
20	-	634	0.1 %
21	-	789	0.1 %
22	-	754	0.1 %
23	-	529	0.1 %
24	-	536	0.1 %
25	-	481	0.1 %
26	-	658	0.1 %
27	-	707	0.1 %
28	-	699	0.1 %
29	-	467	0.1 %
30	-	765	0.1 %
31	-	570	0.1 %
32	-	604	0.1 %
33	-	545	0.1 %
34	-	535	0.1 %
35	-	553	0.1 %
36	-	904	0.1 %
37	-	672	0.1 %
38	-	738	0.1 %
39	-	585	0.1 %
40	-	647	0.1 %
41	-	582	0.1 %

Value	Label	Unweighted Frequency	%
42	-	698	0.1 %
43	-	620	0.1 %
44	-	582	0.1 %
45	-	746	0.1 %
46	-	503	0.1 %
47	-	740	0.1 %
48	-	808	0.1 %
49	-	520	0.1 %
	Total	675,326	100%

Please note that only the first 50 response categories are displayed in the PDF codebook. To view all response categories, please analyze the data file in the statistical package of your choice (SAS, SPSS, Stata, R).

Based upon 675,326 valid cases out of 675,326 total cases.

- Mean: 659.04
- Minimum: 0.00
- Maximum: 13988.00
- Standard Deviation: 631.98

Location: 236-240 (width: 5; decimal: 0)

Variable Type: numeric

I_MEAN_TRAF_PER_INTERSECTION: Intp: Avg daily traffic per intersection (i_mean_traffic/count_intersections)

Based upon 674,710 valid cases out of 675,326 total cases.

- Mean: 37.952213346
- Minimum: 0.000689655
- Maximum: 58032.500000000
- Standard Deviation: 421.031511313

Location: 241-255 (width: 15; decimal: 9)

Variable Type: numeric

I_MEAN_HW_TRAF_PER_INTERSECTION: Intp: i_mean_hw_traffic / count_intersections

Based upon 140,945 valid cases out of 675,326 total cases.

- Mean: 65.970368155
- Minimum: 0.003917728
- Maximum: 48641.750000000
- Standard Deviation: 398.214327629

Location: 256-270 (width: 15; decimal: 9)

Variable Type: numeric

I_MEAN_NH_TRAF_PER_INTERSECTION: Intp: i_mean_nonhw_traffic / count_intersections

Based upon 637,174 valid cases out of 675,326 total cases.

- Mean: 30.195638219
- Minimum: 0.000689655
- Maximum: 48805.000000000
- Standard Deviation: 366.718941386

Location: 271-285 (width: 15; decimal: 9)

Variable Type: numeric