ICPSR | INTER-UNIVERSITY CONSORTIUM FOR POLITICAL AND SOCIAL RESEARCH

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 Census Tract Data

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

Jessica M. Finlay
University of Michigan. Institute for Social Research

Robert Melendez
University of Michigan. Institute for Social Research

Michael Esposito
Washington University in St. Louis

Anam Khan
University of Michigan. Institute for Social Research

Mao Li
University of Michigan. Institute for Social Research

Iris Gomez-Lopez
University of Michigan. Institute for Social Research

Philippa Clarke
University of Michigan. Institute for Social Research

Megan Chenoweth
University of Michigan. Institute for Social Research

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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 1: Traffic Volume by Census Tract Data

1. **Missing Values:** Missing values for the variables **MEAN_HW_TRAFFIC, MIN_HW_TRAFFIC,** and **MAX_HW_TRAFFIC** are due to no highways present in the tract (**COUNT_HW_TRAFFIC** = 0). Similarly, missing values for the variables **MEAN_NONHW_TRAFFIC, MIN_NONHW_TRAFFIC,** and **MAX_NONHW_TRAFFIC** are due to no non-highway roads present in the tract (**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 Census Tract Data

TRACT_FIPS10: Census tract FIPS code (2010 TIGER/Line shapefiles)

Based upon 671,735 valid cases out of 671,735 total cases.

Location: 1-11 (width: 11; decimal: 0)
Variable Type: character

YEAR: Traffic count year

Value	Label	Unweighted Frequency	%
1963	-	1	0.0 %
1964	-	3	0.0 %
1965	-	5	0.0 %
1966	-	20	0.0 %
1967	-	7	0.0 %
1968	-	2	0.0 %
1969	-	11	0.0 %
1970	-	5	0.0 %
1971	-	8	0.0 %
1972	-	46	0.0 %
1973	-	111	0.0 %
1974	-	15	0.0 %
1975	-	41	0.0 %
1976	-	54	0.0 %
1977	-	106	0.0 %
1978	-	158	0.0 %
1979	-	68	0.0 %
1980	-	196	0.0 %
1981	-	252	0.0 %
1982	-	368	0.1 %
1983	-	339	0.1 %
1984	-	560	0.1 %
1985	-	896	0.1 %
1986	-	1384	0.2 %
1987	-	1657	0.2 %
1988	-	2069	0.3 %
1989	-	2831	0.4 %
1990	-	3626	0.5 %
1991	-	4396	0.7 %
1992	-	7114	1.1 %
1993	-	8041	1.2 %

Value	Label	Unweighted Frequency	%
1994	-	12532	1.9 %
1995	-	14669	2.2 %
1996	-	18659	2.8 %
1997	-	32465	4.8 %
1998	-	28306	4.2 %
1999	-	20380	3.0 %
2000	-	17596	2.6 %
2001	-	19912	3.0 %
2002	-	28855	4.3 %
2003	-	25436	3.8 %
2004	-	24818	3.7 %
2005	-	26983	4.0 %
2006	-	23003	3.4 %
2007	-	21477	3.2 %
2008	-	24770	3.7 %
2009	-	25889	3.9 %
2010	-	30517	4.5 %
2011	-	28197	4.2 %
2012	-	28645	4.3 %
	Total	**671,735**	**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 671,735 valid cases out of 671,735 total cases.

- Mean: 2006.38
- Median: 2007.00
- Mode: 2018.00
- Minimum: 1963.00
- Maximum: 2019.00
- Standard Deviation: 8.10

Location: 12-15 (width: 4; decimal: 0)
Variable Type: numeric

MEAN_TRAFFIC: Mean of average daily traffic counts in tract

Based upon 671,735 valid cases out of 671,735 total cases.

- Mean: 15167.43454420
- Minimum: 1.00000000
- Maximum: 429000.00000000
- Standard Deviation: 23742.35141459

Location: 16-30 (width: 15; decimal: 8)
Variable Type: numeric

MIN_TRAFFIC: Lowest average daily traffic count in tract

Based upon 671,735 valid cases out of 671,735 total cases.

- Mean: 9686.80
- Minimum: 1.00
- Maximum: 429000.00
- Standard Deviation: 22093.56

Location: 31-36 (width: 6; decimal: 0)
Variable Type: numeric

MAX_TRAFFIC: Highest average daily traffic count in tract

Based upon 671,735 valid cases out of 671,735 total cases.

- Mean: 25161.82
- Minimum: 1.00
- Maximum: 1785989.00
- Standard Deviation: 35322.11

Location: 37-43 (width: 7; decimal: 0)
Variable Type: numeric

COUNT_TRAFFIC: # traffic measurements in tract

Value	Label	Unweighted Frequency	%
1	-	184249	27.4 %
2	-	108123	16.1 %
3	-	71676	10.7 %
4	-	52704	7.8 %
5	-	39260	5.8 %
6	-	30931	4.6 %
7	-	24345	3.6 %
8	-	20149	3.0 %
9	-	16141	2.4 %
10	-	14164	2.1 %
11	-	11903	1.8 %
12	-	10221	1.5 %
13	-	8536	1.3 %
14	-	7802	1.2 %
15	-	6644	1.0 %
16	-	5943	0.9 %
17	-	5160	0.8 %
18	-	4761	0.7 %
19	-	3892	0.6 %
20	-	3679	0.5 %

Value	Label	Unweighted Frequency	%
21	-	3141	0.5 %
22	-	2963	0.4 %
23	-	2540	0.4 %
24	-	2494	0.4 %
25	-	2147	0.3 %
26	-	1999	0.3 %
27	-	1756	0.3 %
28	-	1694	0.3 %
29	-	1441	0.2 %
30	-	1347	0.2 %
31	-	1204	0.2 %
32	-	1225	0.2 %
33	-	1056	0.2 %
34	-	1089	0.2 %
35	-	873	0.1 %
36	-	873	0.1 %
37	-	750	0.1 %
38	-	718	0.1 %
39	-	654	0.1 %
40	-	690	0.1 %
41	-	571	0.1 %
42	-	567	0.1 %
43	-	504	0.1 %
44	-	482	0.1 %
45	-	413	0.1 %
46	-	409	0.1 %
47	-	381	0.1 %
48	-	403	0.1 %
49	-	333	0.0 %
50	-	341	0.1 %
	Total	**671,735**	**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 671,735 valid cases out of 671,735 total cases.

- Mean: 6.66
- Minimum: 1.00
- Maximum: 608.00
- Standard Deviation: 13.04

Location: 44-46 (width: 3; decimal: 0)

TOTAL_TRAFFIC: Sum of average daily traffic counts in tract

Based upon 671,735 valid cases out of 671,735 total cases.

- Mean: 62120.73
- Minimum: 1.00
- Maximum: 7010088.00
- Standard Deviation: 101587.71

Location: 47-53 (width: 7; decimal: 0)
Variable Type: numeric

MEAN_HW_TRAFFIC: Mean of average daily highway traffic counts in tract

Based upon 117,859 valid cases out of 671,735 total cases.

- Mean: 51491.51866009
- Minimum: 4.00000000
- Maximum: 674123.00000000
- Standard Deviation: 58351.52802276

Location: 54-68 (width: 15; decimal: 8)
Variable Type: numeric

MIN_HW_TRAFFIC: Lowest average daily highway traffic count in tract

Based upon 117,859 valid cases out of 671,735 total cases.

- Mean: 45806.72
- Minimum: 1.00
- Maximum: 674123.00
- Standard Deviation: 58639.03

Location: 69-74 (width: 6; decimal: 0)
Variable Type: numeric

MAX_HW_TRAFFIC: Highest average daily highway traffic count in tract

Based upon 117,859 valid cases out of 671,735 total cases.

- Mean: 58310.76
- Minimum: 4.00
- Maximum: 674123.00
- Standard Deviation: 62173.03

Location: 75-80 (width: 6; decimal: 0)
Variable Type: numeric

COUNT_HW_TRAFFIC: # highway traffic measurements in tract

Value	Label	Unweighted Frequency	%
0	-	553876	82.5 %
1	-	61821	9.2 %

Value	Label	Unweighted Frequency	%
2	-	25005	3.7 %
3	-	11745	1.7 %
4	-	6775	1.0 %
5	-	3994	0.6 %
6	-	2640	0.4 %
7	-	1632	0.2 %
8	-	1160	0.2 %
9	-	777	0.1 %
10	-	569	0.1 %
11	-	412	0.1 %
12	-	311	0.0 %
13	-	234	0.0 %
14	-	169	0.0 %
15	-	125	0.0 %
16	-	85	0.0 %
17	-	53	0.0 %
18	-	57	0.0 %
19	-	36	0.0 %
20	-	43	0.0 %
21	-	28	0.0 %
22	-	30	0.0 %
23	-	19	0.0 %
24	-	18	0.0 %
25	-	10	0.0 %
26	-	12	0.0 %
27	-	11	0.0 %
28	-	11	0.0 %
29	-	12	0.0 %
30	-	5	0.0 %
31	-	8	0.0 %
32	-	2	0.0 %
33	-	2	0.0 %
34	-	9	0.0 %
35	-	6	0.0 %
36	-	7	0.0 %
37	-	6	0.0 %
38	-	3	0.0 %
39	-	4	0.0 %
40	-	4	0.0 %

Value	Label	Unweighted Frequency	%
42	-	2	0.0 %
44	-	1	0.0 %
45	-	2	0.0 %
47	-	1	0.0 %
49	-	1	0.0 %
69	-	1	0.0 %
94	-	1	0.0 %
	Total	**671,735**	**100%**

Based upon 671,735 valid cases out of 671,735 total cases.

- Mean: 0.40
- Median: 0.00
- Mode: 0.00
- Minimum: 0.00
- Maximum: 94.00
- Standard Deviation: 1.34

Location: 81-82 (width: 2; decimal: 0)
Variable Type: numeric

TOTAL_HW_TRAFFIC: Sum of average daily highway traffic counts in tract

Based upon 671,735 valid cases out of 671,735 total cases.

- Mean: 15868.75
- Minimum: 0.00
- Maximum: 6405830.00
- Standard Deviation: 64434.63

Location: 83-89 (width: 7; decimal: 0)
Variable Type: numeric

MEAN_NONHW_TRAFFIC: Mean of average daily non-highway traffic counts in tract

Based upon 650,400 valid cases out of 671,735 total cases.

- Mean: 11517.49512399
- Minimum: 1.00000000
- Maximum: 429000.00000000
- Standard Deviation: 14199.69320715

Location: 90-104 (width: 15; decimal: 8)
Variable Type: numeric

MIN_NONHW_TRAFFIC: Lowest average daily non-highway traffic count in tract

Based upon 650,400 valid cases out of 671,735 total cases.

- Mean: 7501.61
- Minimum: 1.00

- Maximum: 429000.00
- Standard Deviation: 13512.67

Location: 105-110 (width: 6; decimal: 0)
Variable Type: numeric

MAX_NONHW_TRAFFIC: Highest average daily non-highway traffic count in tract

Based upon 650,400 valid cases out of 671,735 total cases.

- Mean: 17877.48
- Minimum: 1.00
- Maximum: 1785989.00
- Standard Deviation: 20288.19

Location: 111-117 (width: 7; decimal: 0)
Variable Type: numeric

COUNT_NONHW_TRAFFIC: # non-highway traffic measurements in tract

Value	Label	Unweighted Frequency	%
0	-	21335	3.2 %
1	-	180924	26.9 %
2	-	106109	15.8 %
3	-	70199	10.5 %
4	-	51537	7.7 %
5	-	38266	5.7 %
6	-	30042	4.5 %
7	-	23387	3.5 %
8	-	19415	2.9 %
9	-	15575	2.3 %
10	-	13458	2.0 %
11	-	11138	1.7 %
12	-	9621	1.4 %
13	-	8066	1.2 %
14	-	7264	1.1 %
15	-	6191	0.9 %
16	-	5668	0.8 %
17	-	4768	0.7 %
18	-	4357	0.6 %
19	-	3651	0.5 %
20	-	3378	0.5 %
21	-	2883	0.4 %
22	-	2724	0.4 %
23	-	2380	0.4 %
24	-	2249	0.3 %

Value	Label	Unweighted Frequency	%
25	-	1920	0.3 %
26	-	1866	0.3 %
27	-	1567	0.2 %
28	-	1518	0.2 %
29	-	1339	0.2 %
30	-	1232	0.2 %
31	-	1031	0.2 %
32	-	1117	0.2 %
33	-	944	0.1 %
34	-	980	0.1 %
35	-	834	0.1 %
36	-	762	0.1 %
37	-	656	0.1 %
38	-	675	0.1 %
39	-	495	0.1 %
40	-	634	0.1 %
41	-	501	0.1 %
42	-	499	0.1 %
43	-	439	0.1 %
44	-	409	0.1 %
45	-	374	0.1 %
46	-	362	0.1 %
47	-	309	0.0 %
48	-	360	0.1 %
49	-	267	0.0 %
	Total	**671,735**	**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 671,735 valid cases out of 671,735 total cases.

- Mean: 6.26
- Minimum: 0.00
- Maximum: 608.00
- Standard Deviation: 12.71

Location: 118-120 (width: 3; decimal: 0)
Variable Type: numeric

TOTAL_NONHW_TRAFFIC: Sum of average daily non-highway traffic counts in tract

Based upon 671,735 valid cases out of 671,735 total cases.

- Mean: 46251.99
- Minimum: 0.00
- Maximum: 6443664.00
- Standard Deviation: 69747.49

Location: 121-127 (width: 7; decimal: 0)
Variable Type: numeric

COUNT_INTERSECTIONS: # intersections in tract

Value	Label	Unweighted Frequency	%
0	-	177	0.0 %
1	-	58	0.0 %
2	-	99	0.0 %
3	-	70	0.0 %
4	-	107	0.0 %
5	-	118	0.0 %
6	-	201	0.0 %
7	-	162	0.0 %
8	-	509	0.1 %
9	-	308	0.0 %
10	-	427	0.1 %
11	-	1105	0.2 %
12	-	718	0.1 %
13	-	607	0.1 %
14	-	833	0.1 %
15	-	690	0.1 %
16	-	1248	0.2 %
17	-	723	0.1 %
18	-	970	0.1 %
19	-	722	0.1 %
20	-	1155	0.2 %
21	-	739	0.1 %
22	-	809	0.1 %
23	-	859	0.1 %
24	-	850	0.1 %
25	-	892	0.1 %
26	-	924	0.1 %
27	-	926	0.1 %
28	-	829	0.1 %
29	-	808	0.1 %
30	-	959	0.1 %
31	-	1007	0.1 %

Value	Label	Unweighted Frequency	%
32	-	1017	0.2 %
33	-	1162	0.2 %
34	-	961	0.1 %
35	-	1106	0.2 %
36	-	1242	0.2 %
37	-	1284	0.2 %
38	-	1396	0.2 %
39	-	1281	0.2 %
40	-	1500	0.2 %
41	-	1303	0.2 %
42	-	1538	0.2 %
43	-	1258	0.2 %
44	-	1608	0.2 %
45	-	1418	0.2 %
46	-	1710	0.3 %
47	-	1817	0.3 %
48	-	1507	0.2 %
49	-	1561	0.2 %
Missing Data			
.	-	3128	0.5 %
Total		**671,735**	**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 668,607 valid cases out of 671,735 total cases.

- Mean: 248.61
- Minimum: 0.00
- Maximum: 15966.00
- Standard Deviation: 353.50

Location: 128-132 (width: 5; decimal: 0)
Variable Type: numeric

MEAN_TRAFFIC_PER_INTERSECTION: Avg daily traffic per intersection (mean_traffic/count_intersections)

Based upon 668,430 valid cases out of 671,735 total cases.

- Mean: 163.850022075
- Minimum: 0.001742160
- Maximum: 55500.000000000
- Standard Deviation: 504.752613786

Location: 133-147 (width: 15; decimal: 9)
Variable Type: numeric

MEAN_HW_TRAFFIC_PER_INTERSECTION: Avg daily highway traffic per intersection (mean_hw_traffic/count_intersections)

Based upon 117,121 valid cases out of 671,735 total cases.

- Mean: 428.809583790
- Minimum: 0.004199160
- Maximum: 55500.000000000
- Standard Deviation: 1001.450299471

Location: 148-162 (width: 15; decimal: 9)
Variable Type: numeric

MEAN_NH_TRAFFIC_PER_INTERSECTION: Avg daily non-highway traffic per intxn (mean_nonhw_traffic/count_intersections)

Based upon 647,307 valid cases out of 671,735 total cases.

- Mean: 128.568659693
- Minimum: 0.001742160
- Maximum: 38750.000000000
- Standard Deviation: 365.117270602

Location: 163-177 (width: 15; decimal: 9)
Variable Type: numeric