

Raw

- These are data sets that should be saved in a folder called raw/ in the data/ directory.
- For the geocorr-* datasets, you should manually rename them. When you download them from Geocorr it will provide a name following the pattern of “geocorr2018_*” where * is a series of numbers.

onroad_2017

- Source: [NASA Earth Data](#). Go to data files, find onroad_2017.tif. Download that.
- Used in: 01-gen-data.R
- Contains: Emissions for every 1-km squared in the continental United States.
- Used to: Estimate emissions by place in the US.
- Creates: data/created/place_emissions-2017.csv

geocorr-2018-census-block-to-tract

- Source: [2018 Geocorr](#). Select NY as the state to process. Click Census Block Group as source geography and Census Tract as target geography. Then click “Run Request.” This will open a new page. Click the hyperlinked output file to download.
- Used in: helper-scripts/load-nyc-tract-data.R
- Contains: The crosswalk from census block groups to census tracts
- Used to: Aggregate emissions from block level to tract level

geocorr-2018-place-to-tract

- Source: [2018 Geocorr](#). Select NY as state to process. Click place as source geography and census tract as target geography. Then click “Run Request.” This will open a new page. Click the hyperlinked output file to download.
- Used in: helper-scripts/load-nyc-tract-data.R
- Contains: The crosswalk from census tracts to census places.
- Used to: Filter tracts to just be in NYC.

nyc2010census_tabulation_equiv

- Source: [NYC.gov](#). Scroll down to “2010 and Earlier”. Then click on “2010 Census Tract/NTA/PUMA Equivalencies”. This will initiate the download
- Used in: helper-scripts/load-nyc-tract-data.R
- Contains: The crosswalk between 2010 census tracts and 2010 Neighborhood Tabulation Areas (NTA).
- Used to: Aggregate from census tract to NTA for population density and emissions per capita

DARTE_v2.gdb

- Source: [NASA Earth Data](#). Scroll to data files, click:

<input type="checkbox"/> DARTE_v2.gdb.zip 	468.6 MB	1980-01-01	2017-12-31	53.39	22.09	-62.05	-137.26
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- Used in: helper-scripts/load-nyc-tract-data.R
- Contains: For each census block group, the annual CO2 emissions for 2017
- Used to: Calculate the emissions by census block group, tract, and NTA.

2010 Neighborhood Tabulation Areas (NTAs)

- Source: [NYC Open Data](#). Click export. Choose shapefile.
- Used in: 04-plot-emissions-by-nta.R
- Contains: The shapefiles for 2010 NTAs.
- Used to: Map emissions per capita and population density.

Created

- These are datasets created by running the code itself.

Place_emissions-2017.csv

- Source: 01-gen-data.R
- Used in: 02-plot-emissions-by-place.R
- Contains: For each place in the US with over 100,000 people, it contains the annual CO2 emissions for 2017
- Used to: Generate figures/02-emissions-by-place.png