1. NDVI

Tutorial Link: https://github.com/GeoDaCenter/OpenAirQ-toolkit/blob/master/A-NDVI.Rmd

Data: Quarterly NDVI (2014-2018)

Data scale: 21 large counties

Data link: <https://github.com/GeoDaCenter/OpenAirQ-toolkit/blob/master/data/NDVILargeAreaQuarterlyStack.tif>

Data Original Link: not included

1. Point Emission

Tutorial Link: <https://github.com/GeoDaCenter/OpenAirQ-toolkit/blob/master/B-Point_Emission_Data.Rmd>

Data: pm2.5 Point Emission in 2017

Data scale: 4 states

Data link: https://github.com/GeoDaCenter/OpenAirQ-toolkit/tree/master/data/Point%20Emissions

Data Original Link: <https://www.epa.gov/air-emissions-inventories/national-emissions-inventory-nei>

1. Elevation Data

Tutorial Link: <https://github.com/GeoDaCenter/OpenAirQ-toolkit/blob/master/C-Elevation_Data.Rmd>

Data: Elevation

Data Scale: grid of 21 large area counties

Data link: https://github.com/GeoDaCenter/OpenAirQ-toolkit/blob/master/data/lac.elevation.grd

Data Original Link: https://www.usgs.gov/core-science-systems/ngp/3dep/about-3dep-products-services

1. Land Cover

Tutorial Link: https://github.com/GeoDaCenter/OpenAirQ-toolkit/blob/master/D-Land\_Cover.Rmd

Data: Land Cover in raster (data unknown)

Data Scale: grid of 21 large area counties

Data link: https://github.com/GeoDaCenter/OpenAirQ-toolkit/blob/master/data/lc1.grd

Data Original Link: not included

1. Temperature

Tutorial Link: https://github.com/GeoDaCenter/OpenAirQ-toolkit/blob/master/E-Temperature.rmd

Data: Monthly NOAA data

Data Scale: points in Chicago

Data link https://github.com/GeoDaCenter/OpenAirQ-phase1/tree/master/data-workflows/covariates/meteorological-data/Temperature

Data Original Link: not included

1. Road Data

Tutorial Link: https://github.com/GeoDaCenter/OpenAirQ-toolkit/blob/master/F-Roads\_Data.Rmd

Data: Road data

Data Scale: 21 large counties/ 4 states grid cells

Data link: https://uchicago.app.box.com/folder/116467195511

Data Original Link: not included

1. Land Use

Tutorial Link: https://github.com/GeoDaCenter/OpenAirQ-toolkit/blob/master/G-Land\_Use.Rmd

Data: Land Use 2013

Data Scale: Chicago area

Data link: <https://drive.google.com/drive/folders/1NpU5QikjPrVRDocNe-DE8E1_SK9QuXBm?usp=sharing>

Data Original Link: not included

Code not working well

1. Weather Data

Tutorial Link: <https://github.com/GeoDaCenter/OpenAirQ-toolkit/blob/master/H-weatherdata.Rmd>

Data: Weather data from DataMart API between 2014 and 2018

Data Scale: 4 state sensor points

Data link: from API

Original Link: https://aqs.epa.gov/aqsweb/documents/data\_mart\_welcome.html