a. Attributes of social vulnerability index and urban road networks topology measures
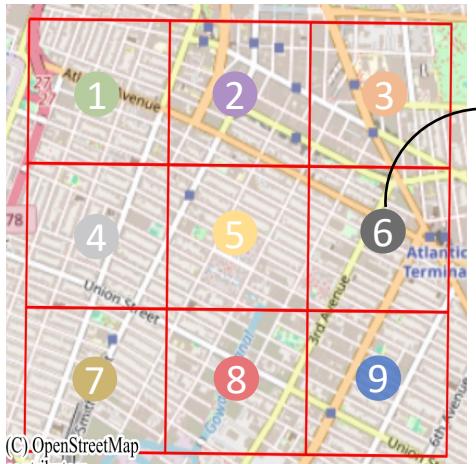
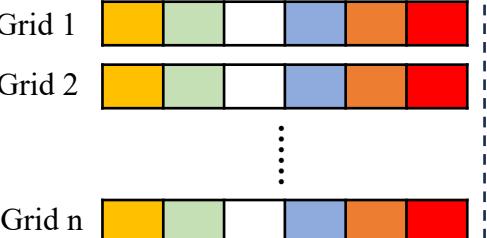**Census/ Voronoi / Grid level**
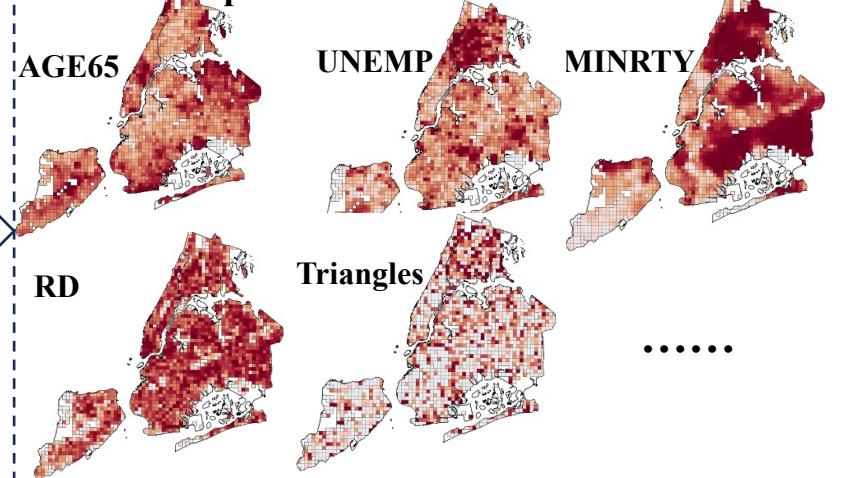
Feature Engineering
- Percentage of persons aged 65 and older
- Unemployment rate
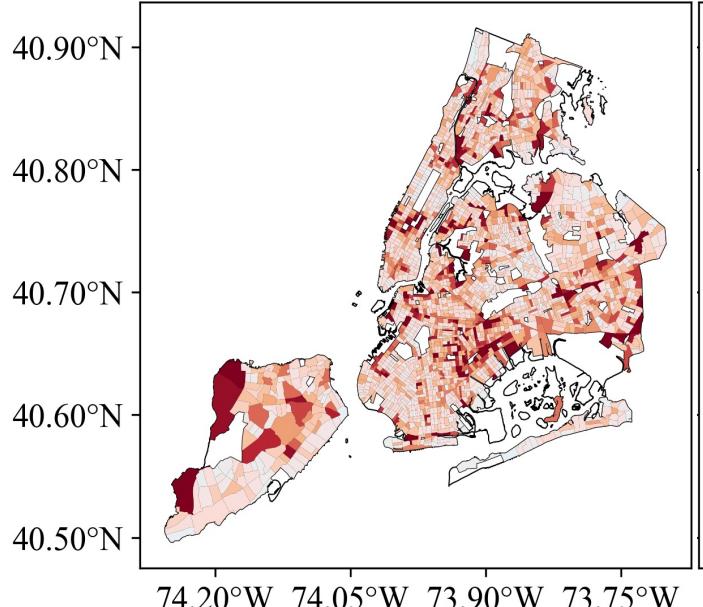- Road length density
- ......

X (features)

Grid 1
Grid 2
Grid n

Spatial distribution of features

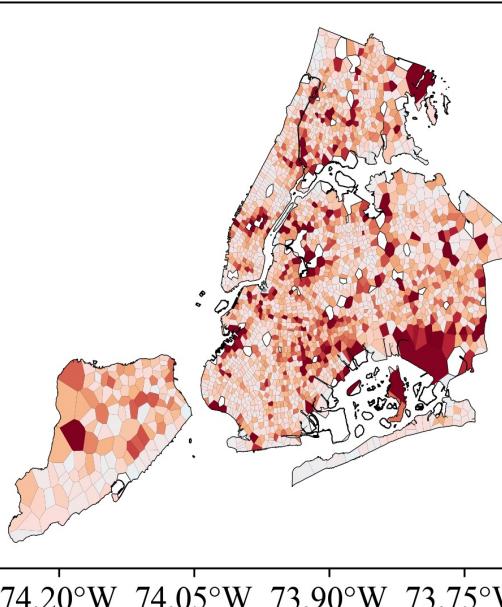AGE65   UNEMP   MINRTY

RD   Triangles

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Spatial Inequality Modelling

b. Outcomes of Traffic injury rate

Census tract   Voronoi   Grid