Process Flow Diagram (post data gathering and cleaning) **AMENITIES DATA** e.g. Proximity of: **CENSUS DATA CENSUS TRACT** - Grocery Stores Demographic & Housing Estimates **SHAPE FILES** - Gyms - Age and Sex - etc. - Educational Attainment - Households and Families - Income and Poverty - Industry by Occupation Race **Code To Combine Amenities** Provides Features for Clustering with Geographies Provides Features for Clustering Clustering Code PROVIDES: Provides geometry data for Amenity info for ranking results Census tracts based on user-provided location PROVIDES: GEOID Lat/Lon Census Tract NAME (label) Cluster # User **CLUSTER OUTPUT** Pre-computed for visualization PROVIDES: PROVIDES: Address GEOID Lat/Lon Census Tract NAME (label) Cluster # PROVIDES: Website **GEOID Landing Page** Given Address, find census tract Plotly Lat/Lon Rank Clusters ►Build Map figures - Provide search Fig Builder Code Provide matching GEOID and geography info Cluster # input for user Cluster Rank Provides Plotly JSON for Map figures (overview + top matches), All cluster/rank/informational tract data for each top match When user selects Website Another ranked item, Call function to update **Results Page** Map figure Display overview Figure and center updates map on load On new coords of selection