Web Based Population Clustering

User Manual

Draft 1

March 10, 2022

Slippery Rock University

Nathan Barthen [ncb1006@sru.edu](mailto:ncb1006@sru.edu)

Connor Barthen [cnb1021@sru.edu](mailto:cnb1021@sru.edu)

Cole Cassano [cjc1029@sru.edu](mailto:cjc1029@sru.edu)

**Contents:**

1. Go to <http://localhost:8080/>
2. Select a state from the drop-down box.
3. Select the desired county.
4. Select the desired school district.
5. The output displays the school information (name, address, number of students, and grade level).

**Note:** To access other districts, counties, and states simply press the back button at the top left of the screen and repeat the process.

* Select a state.

A picture containing graphical user interface

Description automatically generated

Figure . Select a state Dropbox

* Select a county.

Graphical user interface, text

Description automatically generated

Figure . Select a county Dropbox

* Select a school District.

Graphical user interface, text, application, email, website

Description automatically generated

Figure . Select a school district Dropbox

* Select the diameter, which schools to cluster, cluster the schools, and see all clustered schools.

Calendar

Description automatically generated

Figure . Diameter Dropbox, cluster schools option, and see all clustered schools button

* Once clustered you can select the “See All Clusters” button to see the clusters and delete certain clusters.

Graphical user interface, text, application

Description automatically generated

Figure . See All Clusters button

* Once done you can delete unwanted clusters.

Graphical user interface, table

Description automatically generated

Figure . Delete button