

Transit Accessibility of Minority and Low Income Population in Hartford Area

Minority- Minority is total population (B01001) minus the white alone population (B01001H).

A transit system that covers an area with more than 35.5% minority is considered equitable.

Low Income – Low income is defined as less than 150% of poverty status. Low income population is the summation of B06012002 (Below 100 percent of the poverty level) and B06012003 (100 to 149 percent of the poverty level).

A transit system that covers an area with 11.3% low income population is considered equitable.

Results:

The average percent minority and low income population for the service area using a three quarter mile buffer.

- Percent Minority (0.75 Mile Buffer) = 32.4861%
- Percent Low Income (0.75 Mile Buffer) = 17.7087%

A buffer distance of 1.25 miles was used in addition to 0.75miles.

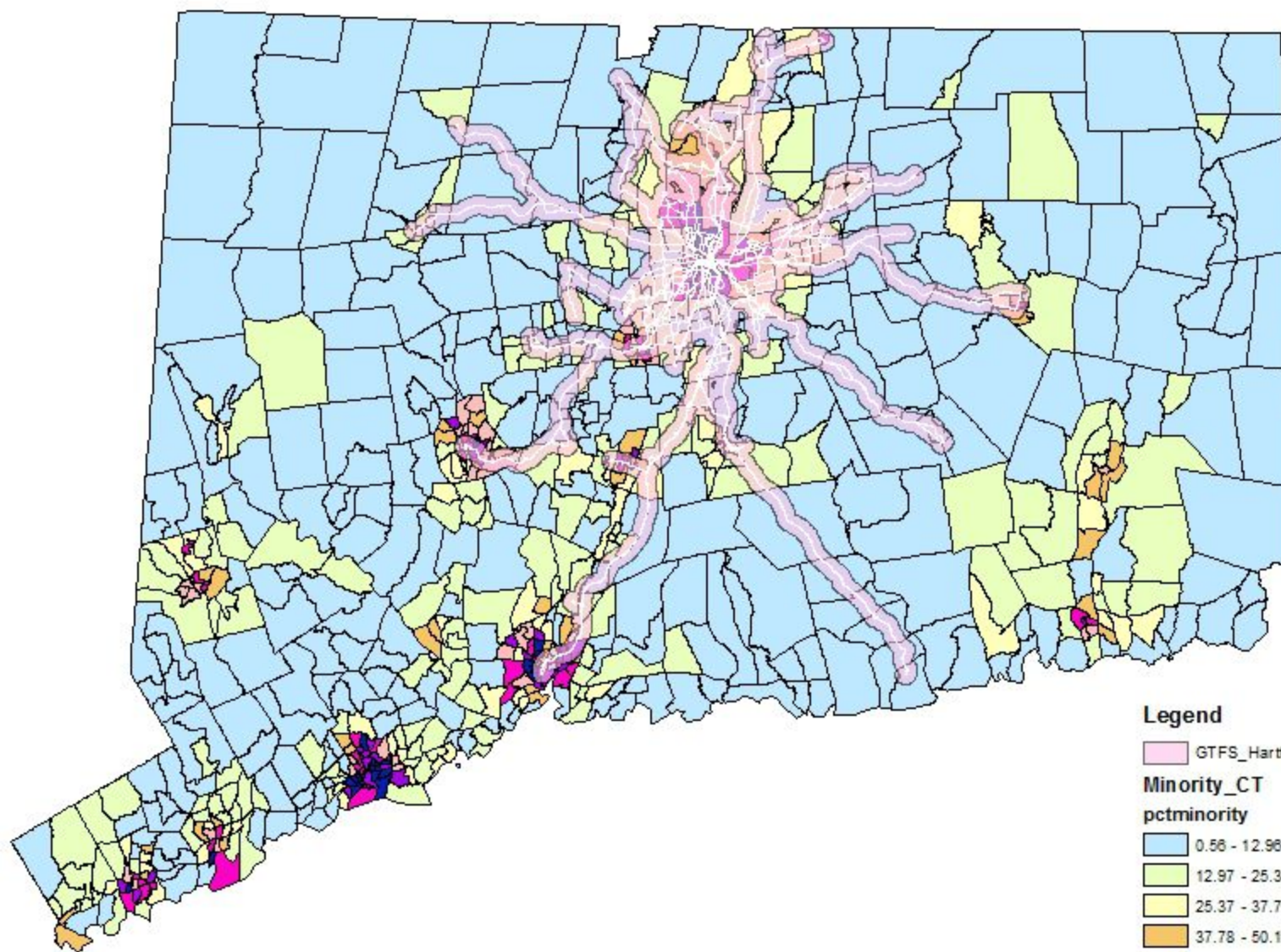
The results from the analysis are listed below –

- Percent Minority (0.75 mile) = 32.14862% (Not equitable)
- Percent Minority (0.25 mile) = 32.50314% (Not equitable)
- Percent Low Income (0.75 mile) = 17.70876% (Equitable)
- Percent Low Income (0.25 mile) = 17.79824 % (Equitable)

Excel file (Minority CT & Low income selection) are attached for documentation.

Percent minority population along all routes

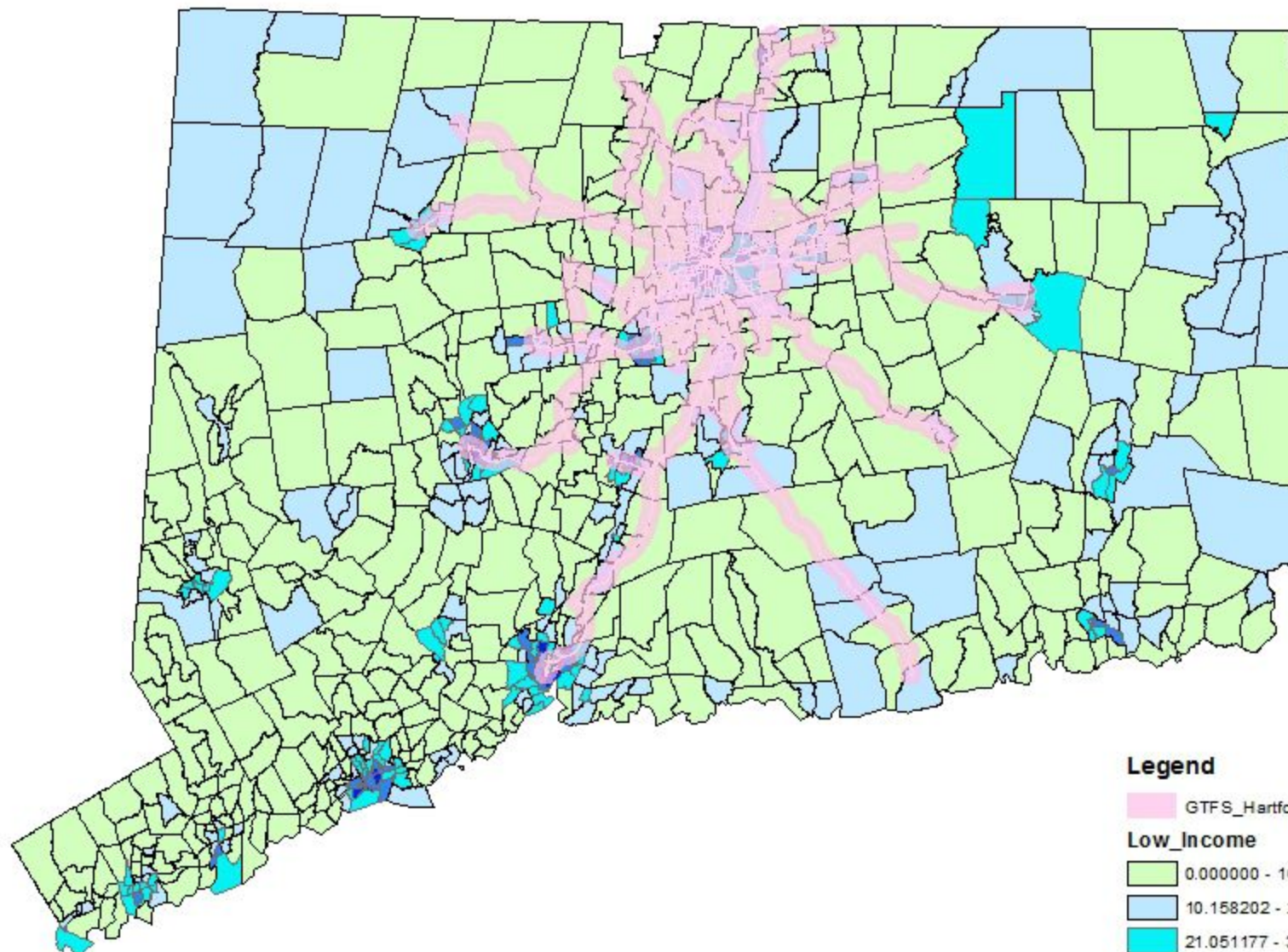
Assignment 2 (4)
Adrita Islam



0 10 20 40 Miles

Percent low income population allong all routes

Assignment 2 (5)
Adrita Islam



Legend

GTFS_Hartford_Buffer (0.75 mile)

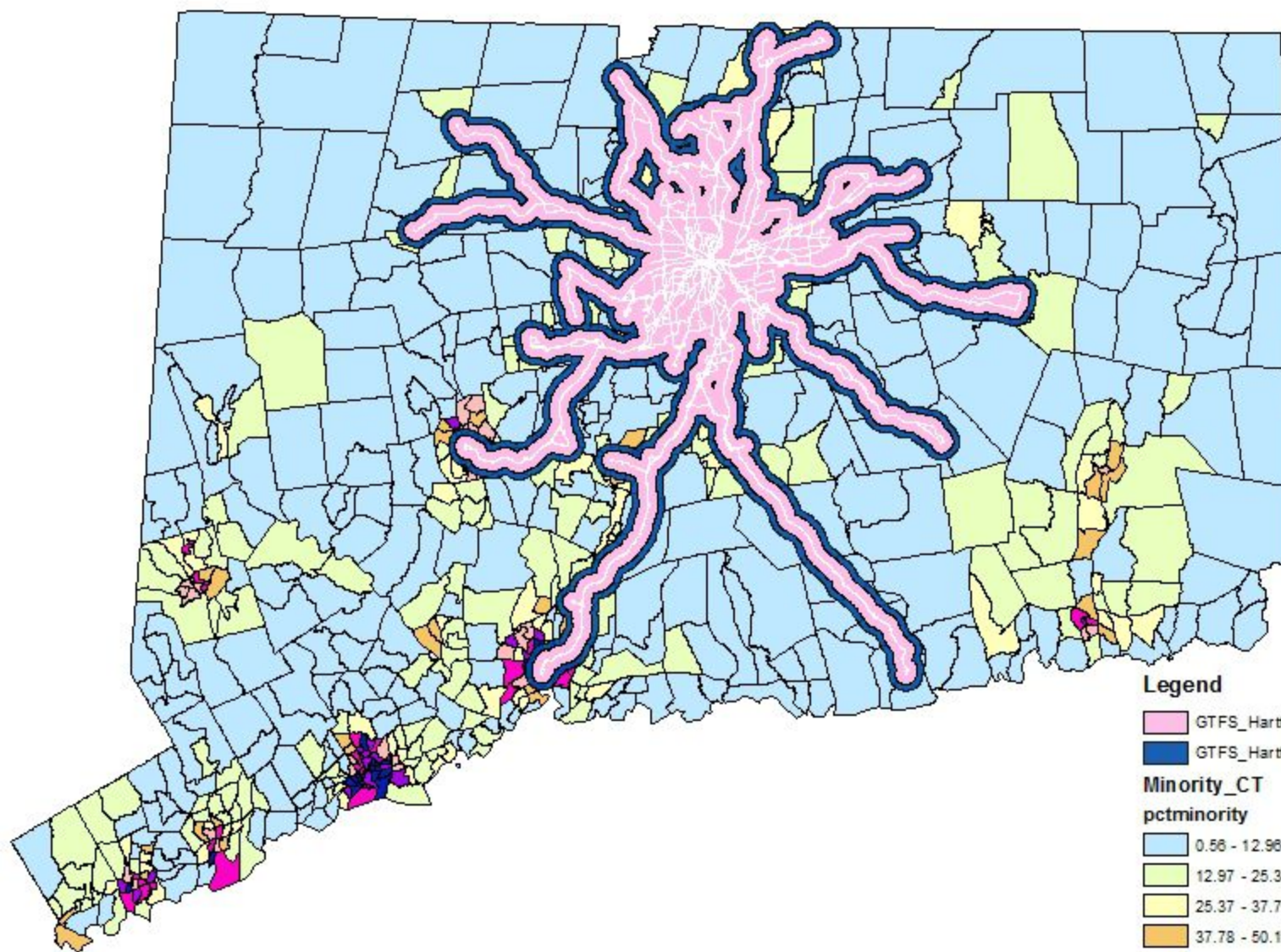
Low_Income

- 0.000000 - 10.158201
- 10.158202 - 21.051176
- 21.051177 - 35.023386
- 35.023387 - 53.252735
- 53.252736 - 88.154070

0 10 20 40 Miles

Difference between two buffers

Assignment 2 (6)
Adrita Islam



Legend

- GTFS_Hartford_Buffer (0.75 mile)
- GTFS_Hartford_Buffer (1.25 mile)

Minority_CT pctminority

- 0.56 - 12.96
- 12.97 - 25.36
- 25.37 - 37.77
- 37.78 - 50.17
- 50.18 - 62.58
- 62.59 - 74.98
- 74.99 - 87.39
- 87.40 - 99.79

0 10 20 40 Miles