

Assignment #4

Final Report for My City

Friday, Oct 13, 2017

The objective of this assignment is for you to

1. assemble the information and writeups that you have put together to date about your city and prepare a nice report on your city and
2. Do an analysis of the “tripLength” implications of you your city as a surrogate for a mobility analysis.

Final Report:

Your final report should include the following Sections (The following is merely a suggestion, if you would like to present your city in a different way, go ahead and be creative.)

1. Land Use Characteristics
 - a. Summarize the character of your city through its land use distribution and fundamental characteristics.
 - b. Include your land use map and summary tables of the land use categories
 - c. Demographics and quality of life of your city. Household size, age distribution, needs for work place, schools, shopping, recreation etc.
2. Demand for Transportation
 - a. Trip Generation;
 - i. Overview of process you used to generate trip productions and attractions
 - ii. Brief summary of each of the trip type-purposes
 1. HBWork,
 2. HBEducation,
 3. HBShop/Dine/Recreation/Other (HB_Other)
 4. Work-Based / Other
 5. Education-Based / Other
 6. Non-HB (Other_Other)
 - iii. Summary Trip Production and Attraction Tables and links to Trip Production and Attraction Vectors
 - b. Trip Distribution
 - i. Overview of process used to generate Trip arrays
 - ii. Generate Trip Arrays for H->W; H->S, H->Other, W->H, W->Other, S->H, S->Other, Other->H, Other->Other. Provide links to these data in your report (don't include the actual data itself in the writeup.)
 - iii. PersonTripLength Distribution analysis. Include a cumulative distribution of %trips (Y) vs Trip Length $\leq X$. Do this for each trip type-purpose. Include in report and compare and contrast.
 1. Range of Y: 0, 100; range of X: 0, 15 miles. Place all 6 curves on one chart . Use different line types and colors to differentiate the 6 different trip purposes

You can use [CofEReport](#) as a reference, except I want cumulative distribution chart for the trip lengths.