

February 19, 2019

FROM: DESIGN TEAM

TO: Lead Engineer, MARTA.

CITY: Atlanta, GA. 30301.

Subject: Commute times and Household income map.

The present memo is to inform you about the development of the map that allows you to see both the mean commute times and median household income for the counties of Gwinnett, DeKalb, Cobb, Clayton and Fulton on the state of Georgia. The following will give you a better idea about the process so far:

PURPOSE:

The purpose of this map is to present to the audience two maps in which you can see the commute times, measured in minutes, of a city in the state of Georgia and the Median Household Income of the same citizens. The above showing the connection routes of the bus system with their respective stops.

METHODS:

The method used for the development of the map was, using the data published by the United States Census Bureau and the Atlanta Regional Commission, both databases were linked to a geographical map showing each of the counties mentioned above, in order to show A choropleth map with five different breaks in each case. To finish, an additional layer is inserted that shows the main routes and stops of the MARTA bus system.

FINDINGS:

Thanks to the use of the created map, the design team wants to highlight some findings. Analyzing the map located in the upper left sector, which shows the mean commute time of the citizens and the routes of the transport service, we can highlight that due to the large number and distribution of the stops in the center, which corresponds to the city of Atlanta, times are quite inferior in comparison to the most distant ones to the center of the city. The team modestly suggest the possibility of increasing the number of stops to the northeast sector, given that it is in the highest range and has a low distribution of stops. Analyzing the map located in the lower right sector, we corroborate the finding due to the median income of those citizens is not on the highest ranges.

LIMITATIONS:

None to report.

SOURCES

The following is the list of sources used for the development of the project:

United States Census Bureau and the Atlanta Regional Commission