



Northeastern University

EECE 5642 Data Visualization

Homework 4

Instructor: Y. Raymond Fu

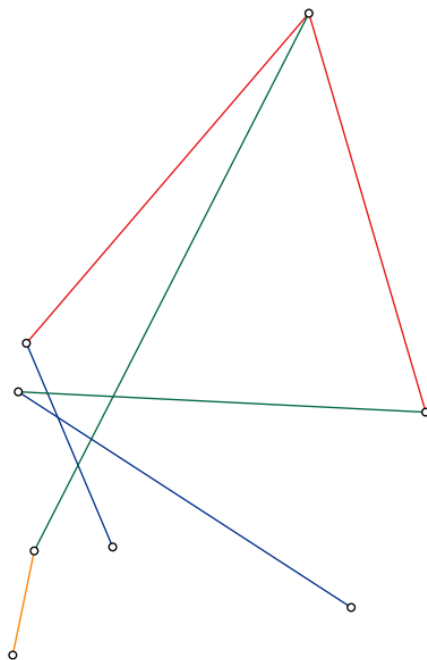
Submission by: Aadhar Bansal

All code Modifications has been included in the zip file attached with this

1.2.1. Setting up

After adding the color to the edges, Code in the Ex_1_2_1

col	first letter	(r, g, b) triple
"red"	'r'	(230, 19, 16)
"green"	'g'	(1, 104, 66)
"blue"	'b'	(0, 48, 140)
"orange"	'o'	(255, 131, 5)



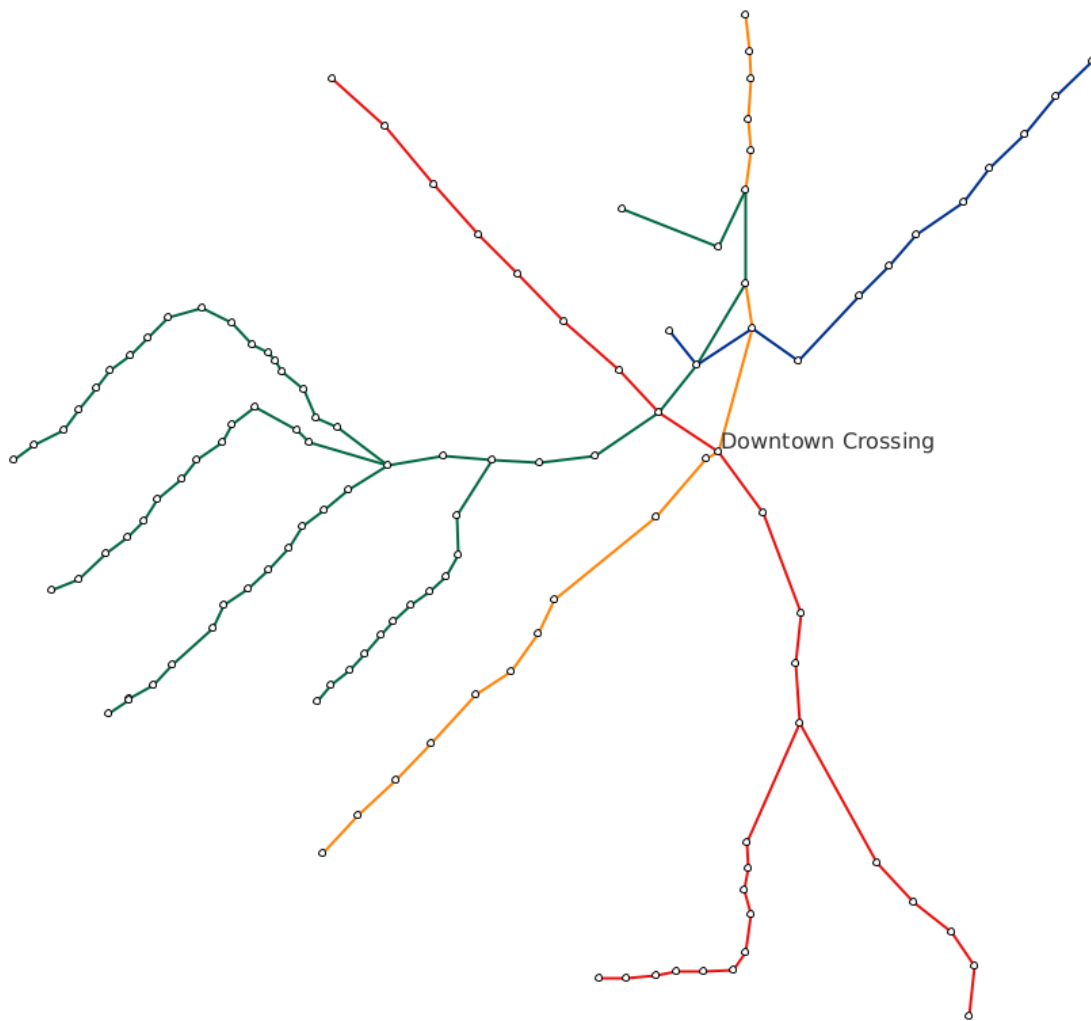
1.2.2 Acquiring the Data

The file attached with the skeleton code data.html, has been used and the python script to isolate the data has been written in stations.py and the connections.py which in turn has given out the stations.csv and the connections.csv

After that Ex_1.2.2 , Table.pde and the connections.csv used to create the "locations.csv".
(Row format: "Station Name", "x",
"y".)

1.2.3 Visualization of the Network

Visualizing the network: The code of Ex_1_2_1 has been modified using the connections.csv and the locations.csv and resultant Network has been obtained



1.2.4 Shortest Path

From:Savin Hill
To: North Station
Travel Time: 18.0 min

MBTA TRAVEL TIME



1.2.5 Color Effect

After adding the Integrator class the to show the non active nodes in the gray

From:North Quincy
To: Boston University East
Travel Time: 33.0 min

