# LAB 1: CONNECTING TO AN ONLINE DATA SOURCE

BY JORDAN GOLDMEIER

# LAB: CONNECTING TO AN ONLINE DATA SOURCE

### **MODULE OUTCOMES**

- Connecting to a remote data service
- Using Power Query to transform the data
- Using Power BI Visualization to quickly create an interactive visualization

### **DESCRIPTION**

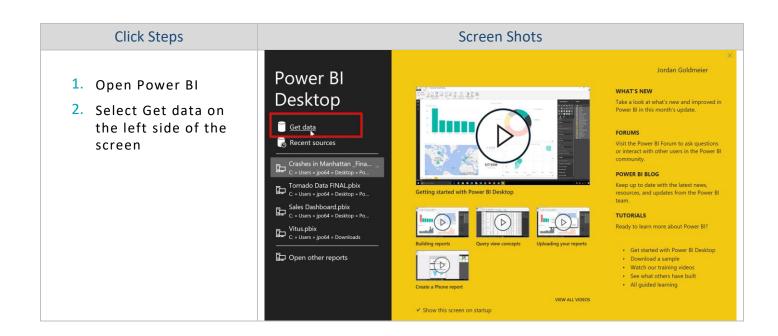
This lab is split into three parts:

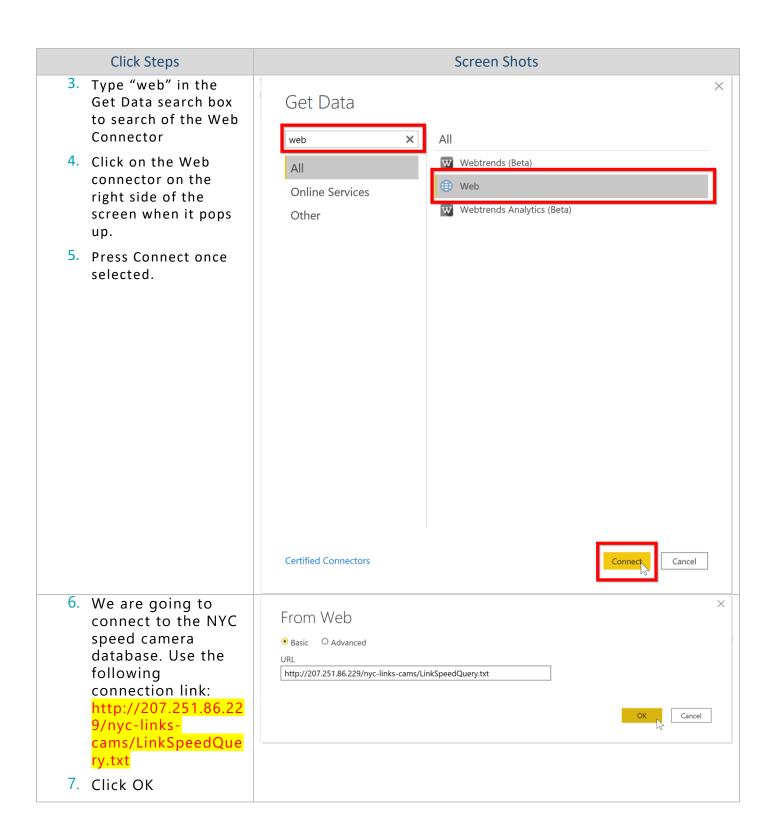
- Part 1: Connecting to the data source
- Part 2: Wrangling with Power Query
- Part 3: Creating the report

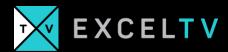
### Links:

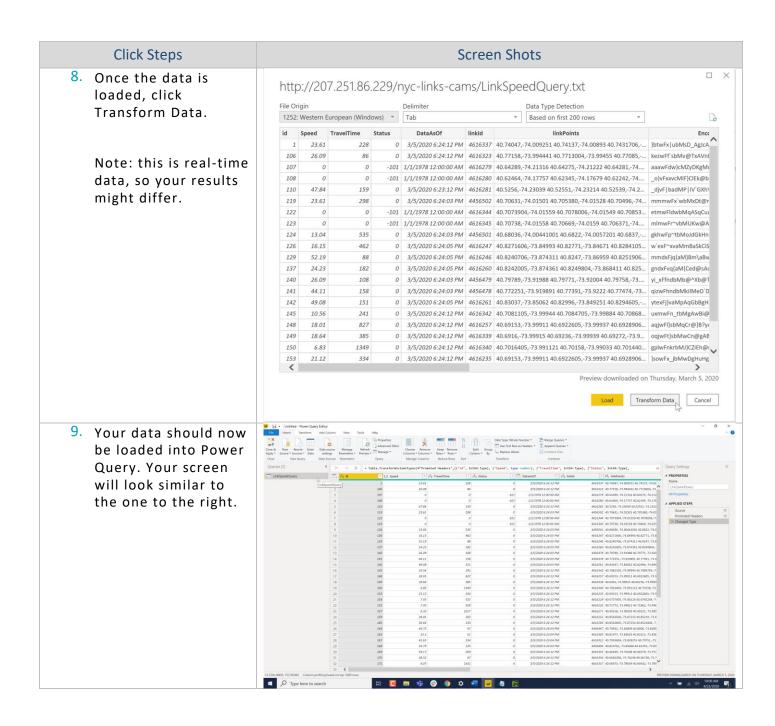
https://data.cityofnewyork.us/ - http://207.251.86.229/nyc-links-cams/LinkSpeedQuery.txt

## PART 1: CONNECTING TO THE DATA SOURCE

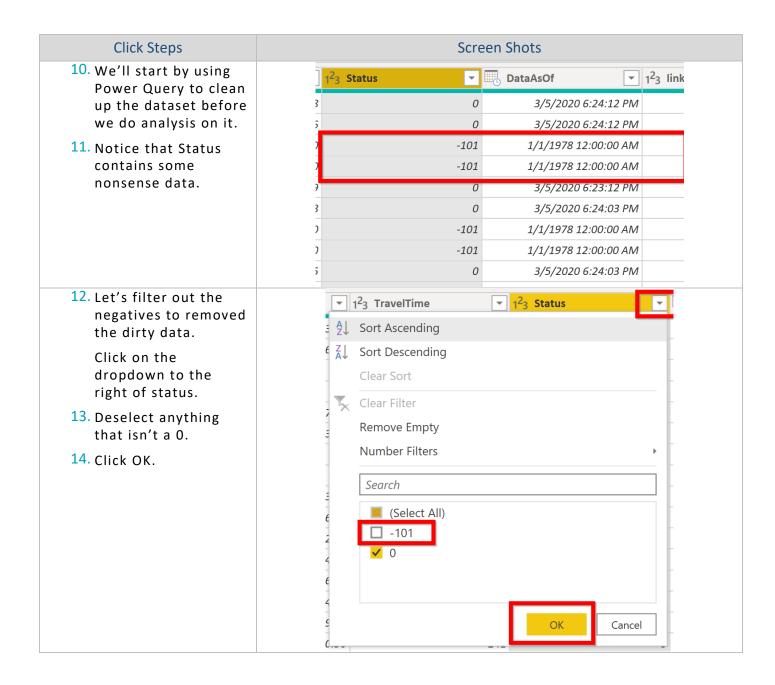


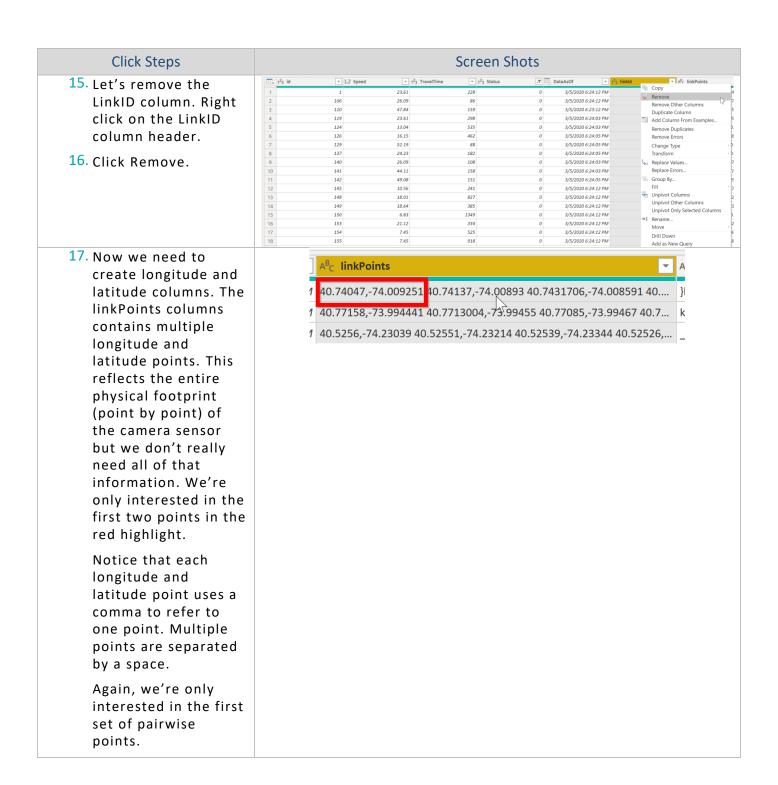


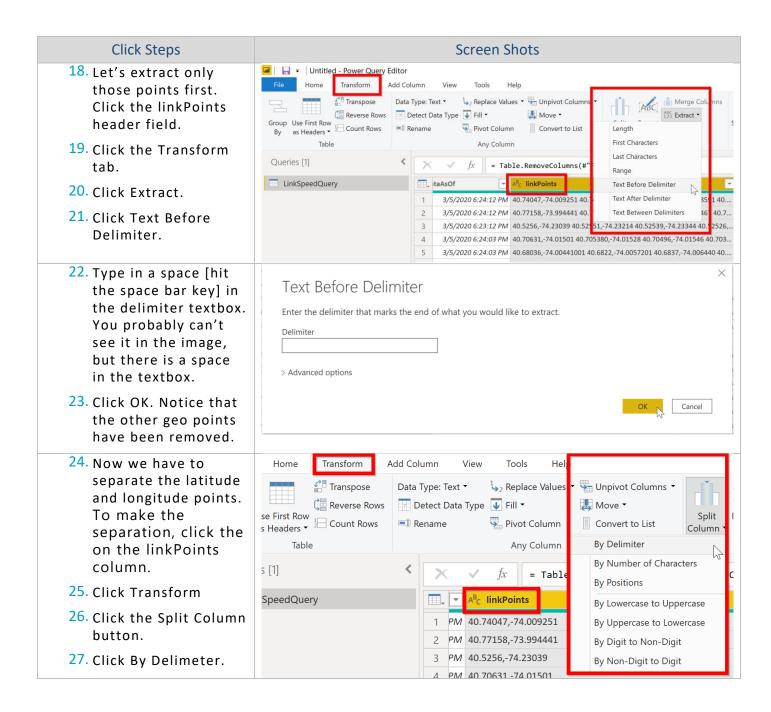


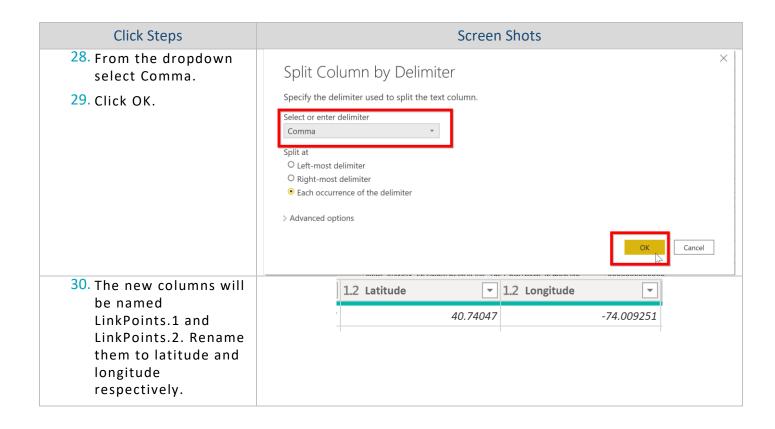


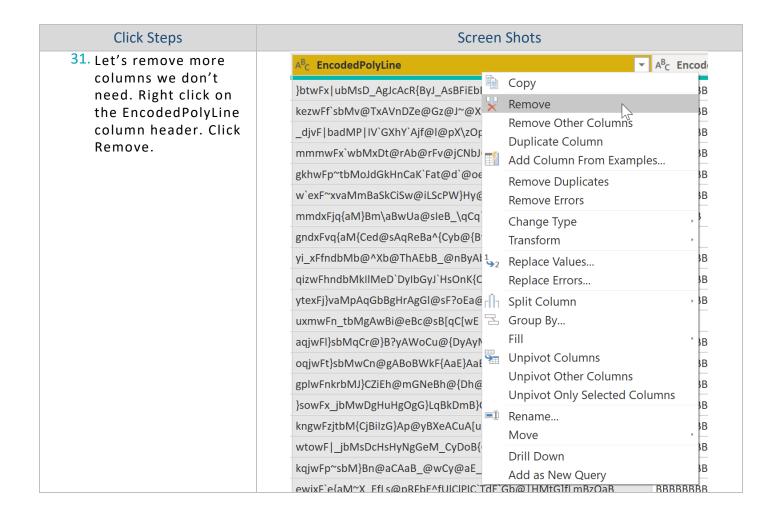
# PART 2: WRANGLING WITH POWER QUERY

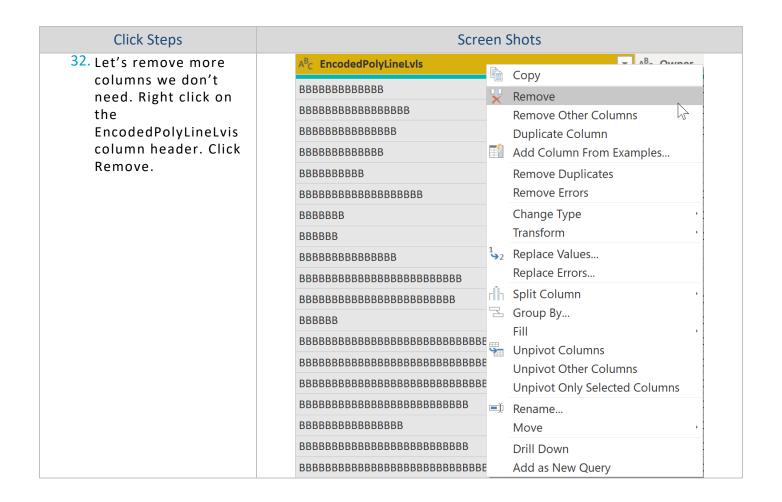


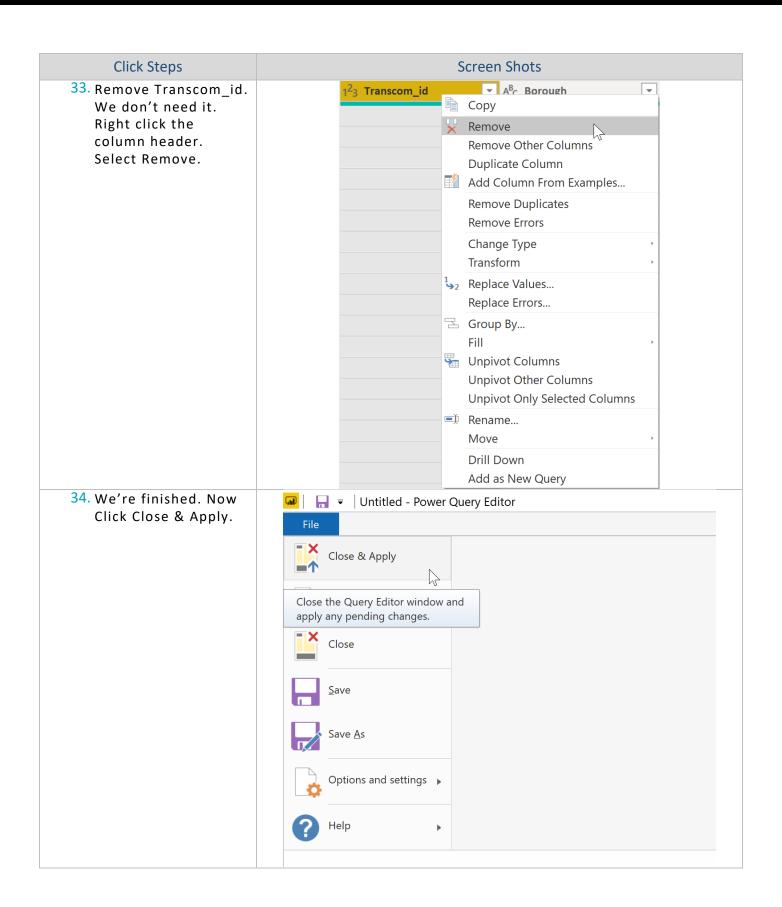




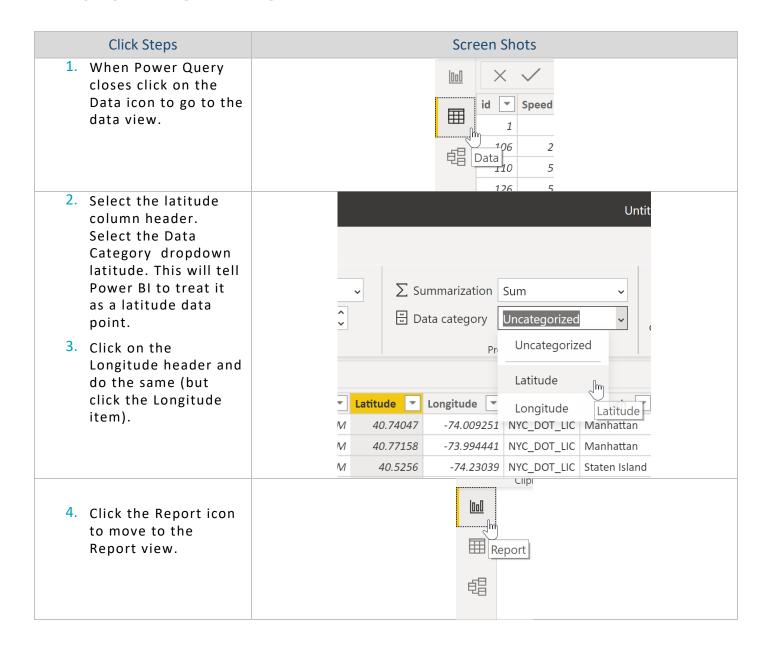








# PART 3: CREATING THE REPORT



Click Steps	Screen Shots
5. Click the Map button to insert a map in the upper left.	Visualizations  Map  R Py  R Py  R Py  S S S S S S S S S S S S S S S S S S
<ol><li>Place the Latitude column in the Latitude field well.</li></ol>	Location  Location
<ul> <li>7. Place the Longitude column in the Longitude field well.</li> <li>8. Place the Borough column into the Legend field well.</li> <li>9. Place the Speed column into the Size field well.</li> </ul>	Add data fields here  Legend
	Borough
	Latitude
	Longitude
	Longitude
	Size
	Speed $\vee$ X
	Tooltips  Add data fields here
10. Click the down arrow next to the Speed field in the Size field well.	Size Speed ×

Click Steps	Screen Shots
11. Select Average.	Remove field
	Rename
	Move to
	✓ Sum
	Average
	Minimum Avera
	Maximum
	Count (Distinct)
	Count
	Standard deviation
	Variance Median
	Show value as
	New quick measure
12. Now let's create a table to show the average speed.	Visualizations >
13. Click the Table	
button to insert a new table.	
	Table 🔯 🜖 🗘 🖽
	<u>→</u>
	R Py
	<b>□</b> • • • • • • • • • • • • • • • • • • •
14. Add Borough and Speed to the Values field well.	Values
	Borough $\vee$ ×
	Speed VX

