

Assignment Instructions

Follow the steps below carefully to complete your homework.

Step-by-Step Instructions

1. Open the Notebook ([Traffic Analysis](#))

1. In the left panel, click **Files**
 2. Open the folder named **work**
 3. Click on the notebook **choropleth.ipynb** to open it
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2. Read the Instructions

- Read **Cell 1** (this instruction cell) completely before you begin.
 - Do **not** edit any cells except **Cell 4**.
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3. Select a Year (Only Edit Cell 4)

- Scroll down to **Cell 4**
- This is the only editable cell in the notebook
- Change the year by modifying the CSV file path, for example:

```
csv_file = "../../../data/sc_loc2017.csv"
```

4. Run the Notebook for That Year

After changing Cell 4:

1. Click **Run** on **Cell 4**
 2. Then click **Run All Below** or run each cell until the map is generated
 3. Scroll to the bottom of the notebook
 4. Run the “**Check Homework Progress**” cell (read-only)
 - You will see:
 - Which years are completed
 - Which years you still need to finish
 - Instructions on what to do next
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5. Repeat for All Years

You must generate maps for **all five years**:

- 2017
- 2018
- 2019
- 2020
- 2021

For each year, follow:

1. Change year in **Cell 4**
2. Run notebook down to the bottom

3. Run the **progress** cell to update your progress
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6. When All Years Are Completed

- The progress cell will show:
 - **All required years completed: 2017–2021**
 - **Your homework is complete**
 - At that point, you are ready to **submit** the assignment.
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7. Submit the Notebook

- Click **Submit** in the Vocareum interface
- The hidden autograder will check your progress file
- If all 5 years were completed, you will automatically receive **100/100**