

# Assignment Instructions

Follow the steps below carefully to complete your homework.

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## 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"
```

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## 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**