

## Response Summary:

### 1. Student Information \*

<b>First Name</b>	David
<b>Last Name</b>	Luo
<b>Major</b>	Data Science
<b>Course</b> (e.g. CGT 270-001)	CGT-003
<b>Term</b> (e.g. F2019)	S2022

### 2. Email Address \*

(University Email Address is required.)

luo354@purdue.edu

### 3. Visualization Assignment \*

- Lab Assignment

#### Q16. How many questions have visualizations?

- Three

#### Q17. Question 1

Do higher population boroughs emit more CO2?

#### Q18. Question 2

Is there a geographical pattern between CO2 per capita?

#### Q19. Question 3

Are emissions going up or down for each borough?

## Remember

### Question 1: \*

Do higher population boroughs emit more CO2?

## Apply

5. Filter the data: Remove any duplicate or any data unrelated to answering your question. Provide a description of the filtered data (what is needed to answer your question). \*

Population, Name (borough), and category(Grand Total) were looked at.

## Evaluate

#### 6. Next Step: Answer the following questions: \*

<b><i>Do you have enough data? Explain. If no, explain then revisit the Acquire Worksheet.</i></b>	Yes, there is enough data
<b><i>Do you have the right data to answer Question 1? If yes, explain then proceed. If no, then revisit 'Filter the Data' question. Repeat until this answer is yes.</i></b>	Yes, The correct data was selected

#### 8. View 1 for Question 1 \*

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#### 9. View 1 for Question 2 \*

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## Remember

#### Question 2: \*

Is there a geographical pattern between CO2 per capita?

## Apply

**Q41. Filter the data: Remove any duplicate or any data unrelated to answering your question. Provide a description of the filtered data (what is needed to answer your question). \***

Additional data (lat, long) were collected in order to facilitate the visualization.

The data was filtered on Category(Emissions per capita)

The borough "City of London" was excluded due to emissions per capita not making sense for it.

\*The City of London has a very low population but many people commute and work in there

## Evaluate

#### Q43. Next Step: Answer the following questions: \*

<b><i>Do you have enough data? Explain. If no, explain then revisit the Acquire Worksheet.</i></b>	Yes
<b><i>Do you have the right data to answer Question 2? If yes, explain then proceed. If no, then revisit 'Filter the Data' question. Repeat until this answer is yes.</i></b>	Yes

**Q44. View 1 for Question 2 \***

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**Q45. View 2 for Question 2 \***

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# Remember

**Question 3: \***

Are emissions going up or down for each borough?

# Apply

**Q49. Filter the data: Remove any duplicate or any data unrelated to answering your question. Provide a description of the filtered data (what is needed to answer your question). \***

Filtered on Category (Grand Total)

# Evaluate

**Q51. Next Step: Answer the following questions: \***

<b><i>Do you have enough data? Explain. If no, explain then revisit the Acquire Worksheet.</i></b>	Yes
<b><i>Do you have the right data to answer Question 3? If yes, explain then proceed. If no, then revisit 'Filter the Data' question. Repeat until this answer is yes.</i></b>	yes

**Q52. View 1 for Question 3 \***

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**Q53. View 2 for Question 3 \***

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