

# Chicago Dataset - Evaluate Your Answers

Total points **10/12**

Please fill here the responses for Chicago crime data assignment.

Link to the problems:

<https://colab.research.google.com/drive/1MtJnWt8bzaXyuOBIN1KwMHMGj5Kuv2I?usp=sharing>

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✓ Question 1: What is the Month and Year of the median date in our dataset? Enter your answer as "Month Year", without the quotes. (Ex: if the answer was 2008-03-28, you would give the answer "March 2008", without the quotes.) \* 1/1

☐ January 2006

☐ March 2006

☒ May 2006 ✓

☐ June 2006

✓ Question 2: In which month did the lowest motor vehicle thefts occur? 1/1  
(Ex: if the answer was March, you would give the answer "March", without the quotes.) \*

☐ January

☒ February ✓

☐ March

☐ April



✓ Question 3: In which month did the lowest motor vehicle thefts occur? 1/1  
(Ex: if the answer was March, you would give the answer "March", without the quotes.)

☐ January

☒ February ✓

☐ March

☐ April



✓ Question 4: On which weekday did most motor vehicle thefts occur? (Ex: 1/1 if the answer was Monday, you would give the answer "Monday", without the quotes.) \*

- ☒ Friday ✓
- ☐ Saturday
- ☐ Sunday
- ☐ Monday
- ☐ Tuesday
- ☐ Wednesday
- ☐ Thursday



✓ Question 5: Each observation in the dataset represents a motor vehicle theft, and the Arrest variable indicates whether an arrest was later made for this theft. Which month has the largest number of motor vehicle thefts for which an arrest was made? (Ex: if the answer was March, you would give the answer "March", without the quotes.) \*

1/1

☐ November

☐ December

☒ January



☐ February

☐ March



✗ Question 6: Select the true statements \*

0/1

☒ In general, does it look like crime decreases from 2002 - 2012? ✓

☐ In general, does it look like crime increases from 2005 - 2008?

☐ In general, does it look like crime increases from 2009 - 2011?

Correct answer

☒ In general, does it look like crime decreases from 2002 - 2012?

☒ In general, does it look like crime increases from 2009 - 2011?

✗ Question 7: Crimes for which more arrests were made are in the first half 0/1  
of the time period or the second half of the time period? (Note that the  
time period is from 2001 to 2012, so the middle of the time period is the  
beginning of 2007.) \*

☐ First half

☒ Second half ✗

Correct answer

☒ First half



✓ Question 8: For what proportion of motor vehicle thefts in 2001 was an arrest made? (Note: in this question and many others in the course, we are asking for an answer as a proportion. Therefore, your answer should take a value between 0 and 1) \* 1/1

☐ 0.06

☐ 0.08

☒ 0.10 ✓

☐ 0.12

✓ Question 9: For what proportion of motor vehicle thefts in 2007 was an arrest made? (round your answer to 2 decimal places) \* 1/1

☐ 0.06

☒ 0.08 ✓

☐ 0.10

☐ 0.12



✓ Question 10: Which locations are the top five locations for motor vehicle thefts, excluding the "Other" category? \* 1/1

☐ Bank

☒ Gas Station ✓

☐ Hotel/Motel

☒ Street ✓

☐ Car Wash

☐ Restaurant

☒ Parking Lot/Garage (Non-Residential) ✓

☒ Alley ✓

☒ Driveway (Residential) ✓

☐ Vacant Lot/Land





✓ Question 11: Create a subset of your data, only taking observations for which the theft happened in one of these five locations, and call this new data set "Top5". How many observations are in Top5? \* 1/1

☒ 177510



☐ 177515

☐ 177520

☐ 177525



✓ Question 12: On which day of the week do the most motor vehicle thefts 1/1 at gas stations happen? \*

- ☐ Monday
- ☐ Tuesday
- ☐ Wednesday
- ☐ Thursday
- ☐ Friday
- ☒ Saturday
- ☐ Sunday



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