 📚 **Lesson** | Date and Time Functions Practice

— Filtering on Aggregating Data

PROMPT: Let’s practice using date and time functions to analyze additional patterns in bikeshare usage on the Lyft Baywheels dataset (**lyft\_baywheels**).

1. In which month was there the highest number of trips taken? HINT: Take a look at the month part of the started\_date variable.

|  |
| --- |
| select  strftime('%m', started\_date) AS month,  count(ride\_id)  from lyft\_baywheels  group by 1  ORDER BY 2 DESC |

|  |
| --- |
| October |

1. During what hour of the day do the most rentals take place? Hint: Now you’ll need to look at the started\_at variable!

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| --- |
| select  strftime('%HH', started\_at) AS hour,  count(ride\_id)  from lyft\_baywheels  group by 1  ORDER BY 2 DESC |

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| --- |
| Hour 17, 5 PM |

1. Write a query that returns the number of trips taken on each day of the week. Describe the pattern of ride volume. (Remember: day of the week gets returned as a number, where 0 = Sunday, 6 = Saturday). Since started\_date contains year, month, and day information, you’ll need to focus on that one.

|  |
| --- |
| SELECT  strftime('%w',started\_date) AS day\_of\_week,  count(ride\_id)  from lyft\_baywheels  group by 1  ORDER BY 2 DESC |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 6 | 183542 | | 0 | 153587 | | 5 | 151031 | | 3 | 133511 | | 4 | 131418 | | 2 | 126453 | | 1 | 119843 | |