## What Questions Can You Answer?

The following is a dataset of a bicycle rider's training rides.

| date | miles | time | weather | average <br> speed | max <br> speed |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $04 / 10 / 2018$ | 10 | 44 | "cloudy" | 13 | 30 |
| $05 / 30 / 2018$ | 15 | 66 | "sunny" | 13.5 | 22 |
| $06 / 12 / 2018$ | 12 | 61 | "rainy" | 11.2 | 25 |
| $06 / 22 / 2018$ | 15 | 61 | "cloudy" | 13 | 28 |
| $07 / 04 / 2018$ | 24 | 103 | "sunny" | 14 | 26 |
| $07 / 12 / 2018$ | 24 | 120 | "windy" | 12.5 | 26 |

What can you answer? For each of the following questions, check the box to the left of questions you can answer. For each checked question, write whether the question is a lookup, compute, or relate question.

|  | Question | Lookup, Compute or Relate? |
| :--- | :--- | :--- |
|  | What is the cyclist's average speed across all rides? |  |
|  | How many miles did they ride June 12th? |  |
|  | Create a bar chart showing the avg speed per day |  |
|  | Does this cyclist ride slower when it is rainy? |  |
|  | Does this cyclist ride faster when they are late to an <br> appointment? |  |

What can't you answer? For each of the following questions, check the box to the left of questions you cannot answer. For each un-checked question, write whether the question is a lookup, compute, or relate question.

|  | Question | Lookup, Compute or Relate? |
| :--- | :--- | :--- |
|  | What tire pressure produces the highest avg speed? |  |
|  | What is the avg time it takes this cyclist to ride 1mi? |  |
|  | Does this cyclist ride more in April or July? |  |
|  | What is the average speed this cyclist had on July <br> th? |  |
|  | Create a pie chart showing the number of flat tires <br> fixed each month |  |

