

# What Questions Can You Answer?

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

date	miles	time	weather	average speed	max 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?
<input type="checkbox"/>	What is the cyclist's average speed across all rides?	
<input type="checkbox"/>	How many miles did they ride June 12th?	
<input type="checkbox"/>	Create a bar chart showing the avg speed per day	
<input type="checkbox"/>	Does this cyclist ride slower when it is rainy?	
<input type="checkbox"/>	Does this cyclist ride faster when they are late to an 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?
<input type="checkbox"/>	What tire pressure produces the highest avg speed?	
<input type="checkbox"/>	What is the avg time it takes this cyclist to ride 1mi?	
<input type="checkbox"/>	Does this cyclist ride more in April or July?	
<input type="checkbox"/>	What is the average speed this cyclist had on July 4th?	
<input type="checkbox"/>	Create a pie chart showing the number of flat tires fixed each month	