

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 question, write whether you think the question is a **lookup**, **compute**, or **analyze** question.

	Question?	Category?
<input checked="" type="checkbox"/>	What is the cyclist's average speed across all rides?	Compute
<input checked="" type="checkbox"/>	How many miles did they ride June 12th?	Lookup
<input type="checkbox"/>	Create a bar chart showing the avg speed per day	Compute
<input checked="" type="checkbox"/>	Does this cyclist ride slower when it is rainy?	Analyze
<input type="checkbox"/>	Does this cyclist ride faster when they are late to an appointment?	Analyze

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 **analyze** question.

	Question?	Category?
<input checked="" type="checkbox"/>	What tire pressure produces the highest avg speed?	Analyze
<input type="checkbox"/>	What is the avg time it takes this cyclist to ride 1mi?	Compute
<input type="checkbox"/>	Does this cyclist ride more in April or July?	Compute
<input checked="" type="checkbox"/>	What is the average speed this cyclist had on July 4th?	Lookup
<input checked="" type="checkbox"/>	Create a pie chart showing the number of flat tires fixed each month	Compute