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EDG 500

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Video 10 Scatterplots

1. What is a manatee?

Manatees are slow-moving sea creatures and munch their days away in the warm waters off the Florida coast. The gentle giants can weigh more than half a ton – and since they're mainly herbivores, they keep their weight up by feasting on underwater vegetation in shallow coastal waters. They pretty much have no natural predators.

2. What does a scatter plot show about the relationship between the number of powerboats registered in Florida and the number of manatees killed by powerboats?

The scatter plot showed the more power boats registered the number of fatalities in Manatees also increased.

3. Why is the number of boats plotted on the horizontal axis of this scatterplot?

The number of boats is plotted on the horizontal axis on the scatter plot because it will show the number of manatee killed. Essentially the more boats that are in the water will result in more manatees being killed.

4. What trend would you expect to see in a scatterplot of two variables that have a negative association?

The trend I would expect to see in a scatter plot of two variables that have a negative association is when one variable increases while the other decreases.