

Unhappy Campers

Peggy is the manager of a campground.

Some new wind turbines are built next to the camp.

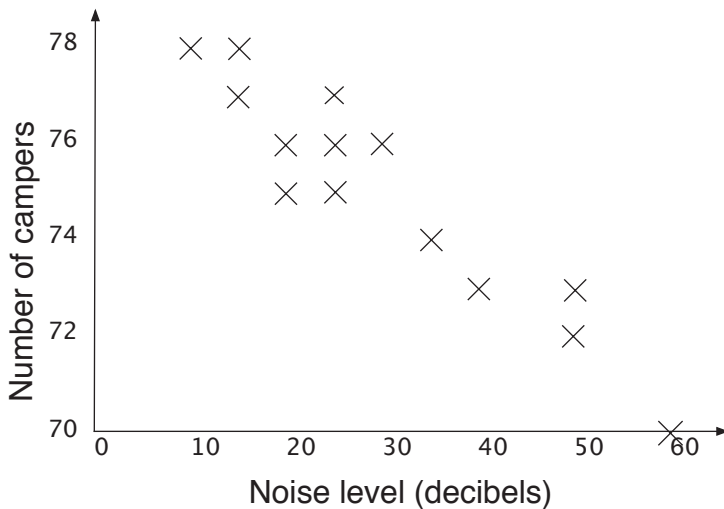
Peggy feels sure fewer people are visiting her site because of the turbines.

Peggy wants the Environmental Agency to get rid of the turbines.

To make her case she does some math.

For two weeks, Peggy records the number of visitors to the campsite each day. She also records the highest level of noise the turbines make each day.

She uses the information to draw a scatter chart.



Peggy also conducts a survey of the 50 campers who visit one day.

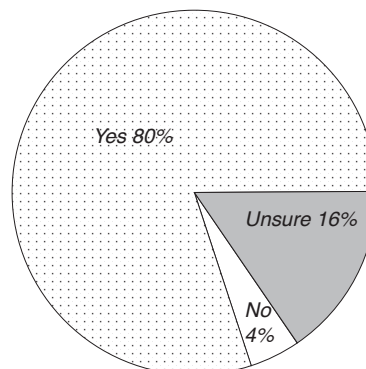
She asks the campers this question:

The loud noise you can hear comes from turbines on the wind farm.

Is the wind farm spoiling your enjoyment of the campsite? Yes No Unsure

Peggy uses the survey results to draw a pie chart.

Pie chart showing percentage of campers whose enjoyment was spoiled by turbine noise.



Peggy writes to the Environmental Officer.

Dear Environmental Officer,
Please find enclosed two charts.
The new wind farm is noisy and ugly, and I have evidence to prove it.
The scatter chart shows that the wind farm drives campers away. The noise causes fewer people to come to camp.
The pie chart shows that most people don't like the wind farm. It's affecting their enjoyment of the camp.
You should close the wind farm because it is spoiling the local environment.
Yours faithfully,
Camp Manager

1. Describe what you think is shown by the scatter graph and pie chart.

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2. Do you think the camp manager makes a fair argument? Explain your answer.

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