

## Correlation VS Causation HW

For the given situations below,

a. Is the association positive, negative or none?

b. Is the causation statement is true or false?

1. When you are on a diet, the less calories you eat daily vs. the more weight you lose.

Causation statement: Therefore, only eating less calories makes you lose weight.

2. The more ice cream consumed on a beach vs. the increased number of people who go in the water.

Causation statement: Therefore, eating more ice cream on the beach makes people go in the water.

3. The more people in a family vs. the increased number of cars the family owns.

Causation Statement: Therefore, the more people there are in a family determines how many cars a family owns.

4. The average speed cars travel from Philadelphia to New York on the turnpike vs. the average amount of times it takes.

Causation Statement: Therefore, the speed cars travel from Philadelphia to New York determines the time it takes to go between them.

5. How much you pay for a house vs. how much you pay for a car.

Causation statement: Therefore the more you pay for a house makes you spend more for a car.