Determine whether the following situations are positive or negative correlation.

1. Student is frequently absent and has low grades
2. As weather gets colder, air conditioning costs decrease
3. If a car tire has more air, the car uses less gas per mile
4. The more one eats, the more one weighs
5. Less one works, less money one has
6. More one works, more money one has

Create a positive and negative correlation statement from the following situations.

1. Running and pace/speed
2. Eating and hunger
3. Snowfall and drivers on the road
4. Temperature and AC bill
5. Smoking and life span

From the situations you created, choose 2. Create a question you could ask people from each, and determine the appropriate population size for whom you would ask and why. Then, come up with 2-3 factors that could influence the data to be misrepresented.