

## Correlation Examples

1) What is the relationship between height and weight?

<u>Student</u>	<u>Height (feet)</u>	<u>Weight (pounds)</u>
Joe	4	75
Jim	5	150
Steve	6	225
Lou	7	300

Plot the heights and weights on a graph for each student.

Is the correlation positive, negative or is there no correlation?

What is the likely value associated with this correlation?

2) What is the relationship between exam grades and hours of television watching during a week?

<u>Student</u>	<u>Exam Grade</u>	<u>Hours Watching TV</u>
Ann	100	0
Betty	75	7
April	50	15
Kay	25	22
Andrea	0	30

Plot the exam grades and hours of television watching during a week for each student.

Is the correlation positive, negative or is there no correlation?

What is the likely value associated with this correlation?

3) What is the relationship between height and the amount of burgoo eaten since birth?

<u>Student</u>	<u>Height (feet)</u>	<u>Burgoo eaten (bowls)</u>
Harry	7	50
Bob	5	100
Larry	4	25
Andy	6	25
Mark	4	75
John	2	50
Don	5	50
Ed	6	75

Plot height and the amount of burgoo eaten since birth for each student.

Is the correlation positive, negative or is there no correlation?

What is the likely value associated with this correlation?