

Math 13 Chapter 10 Overview

1) Listed below are the IQ scores of identical twins that were adopted and raised apart.

One Twin	Other Twin
90	95
99	101
105	106
109	103
111	113
98	100
89	92
115	116
100	102
107	104
110	112
102	101
98	99
92	94
100	101
111	112
117	120
102	99
95	93
105	107

a) Test for a linear correlation between the IQ's of the twins.

b) Find the regression equation.

c) Predict the IQ of the 2nd twin if the IQ of the 1st twin was 118.

d) Sketch the scatterplot and regression line.

2) For the data below, find the regression model that fits the best.

X	Y
-4	-40
-3	-28
-2	-18
-1	-10
0	-4
1	0
2	2
3	2
4	0
5	-4
6	-10