

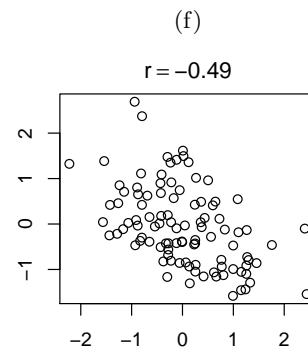
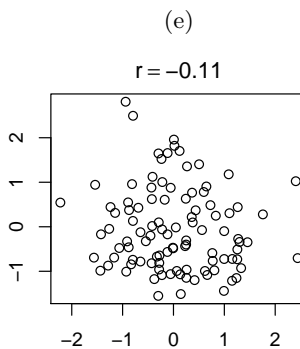
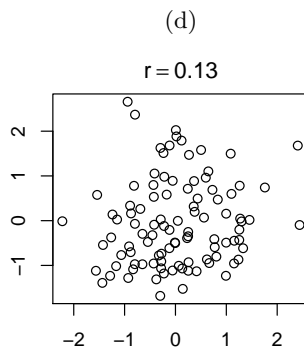
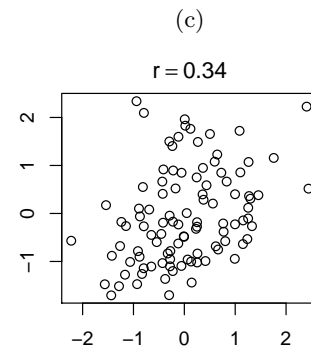
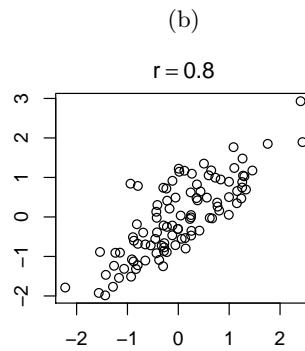
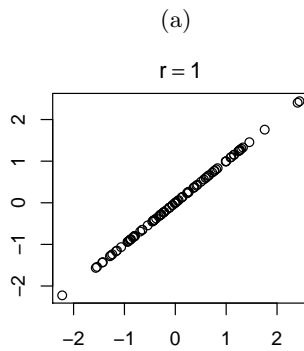
Association and Correlation

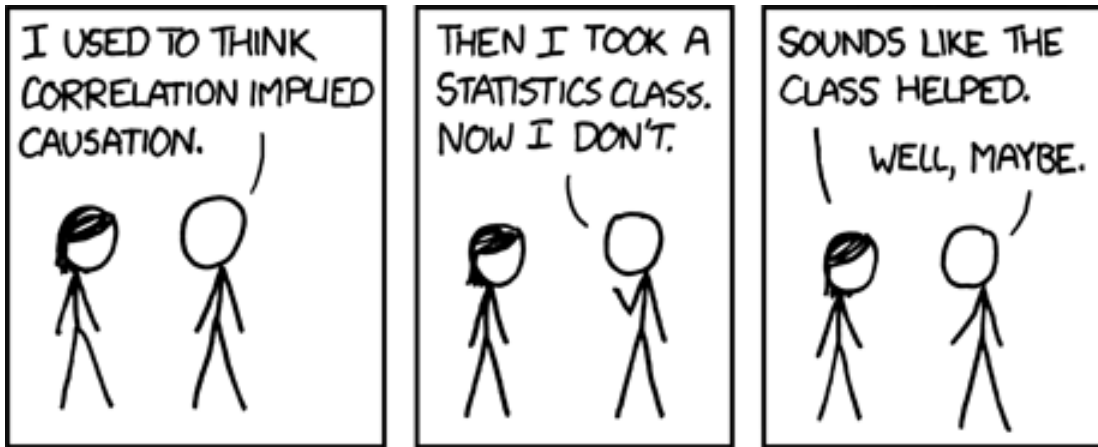
- Let us consider a test of children's ability to write French text correctly from dictation. For simplicity we may assume that the spoken French is standardized by using a tape recorder, that the scoring has been made uniform, and that the scorers can decipher all the handwritings involved. Let

y = the score on this dictation test,
 x = the weight of the child.

What is the relation between y and x ?

- Consider two variables, x and y . In the scenarios below, we have collected $n = 100$ measurements of (x, y) pairs. There is a scatterplot of the 100 points, along with the computed correlation between the two variables. Is there an apparent association between the two variables? Is the relationship positive or negative? Weak or strong?





<http://xkcd.com/552>