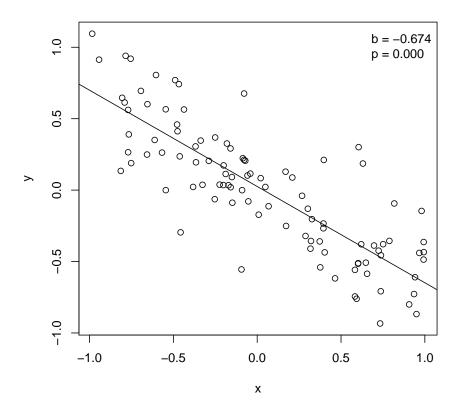
1. Problem

Using the data provided in regression.csv estimate a linear regression of y on x and answer the following questions.

- (a) x and y are not significantly correlated / y increases significantly with x / y decreases significantly with x
- (b) Estimated slope with respect to x:

Solution



To replicate the analysis in R:

```
R> d <- read.csv("regression.csv")</pre>
R> ## regression
R > m < -lm(y ~ x, data = d)
R> summary(m)
R> ## visualization
```

R > plot(y ~ x, data = d)

R> abline(m)

R> ## data