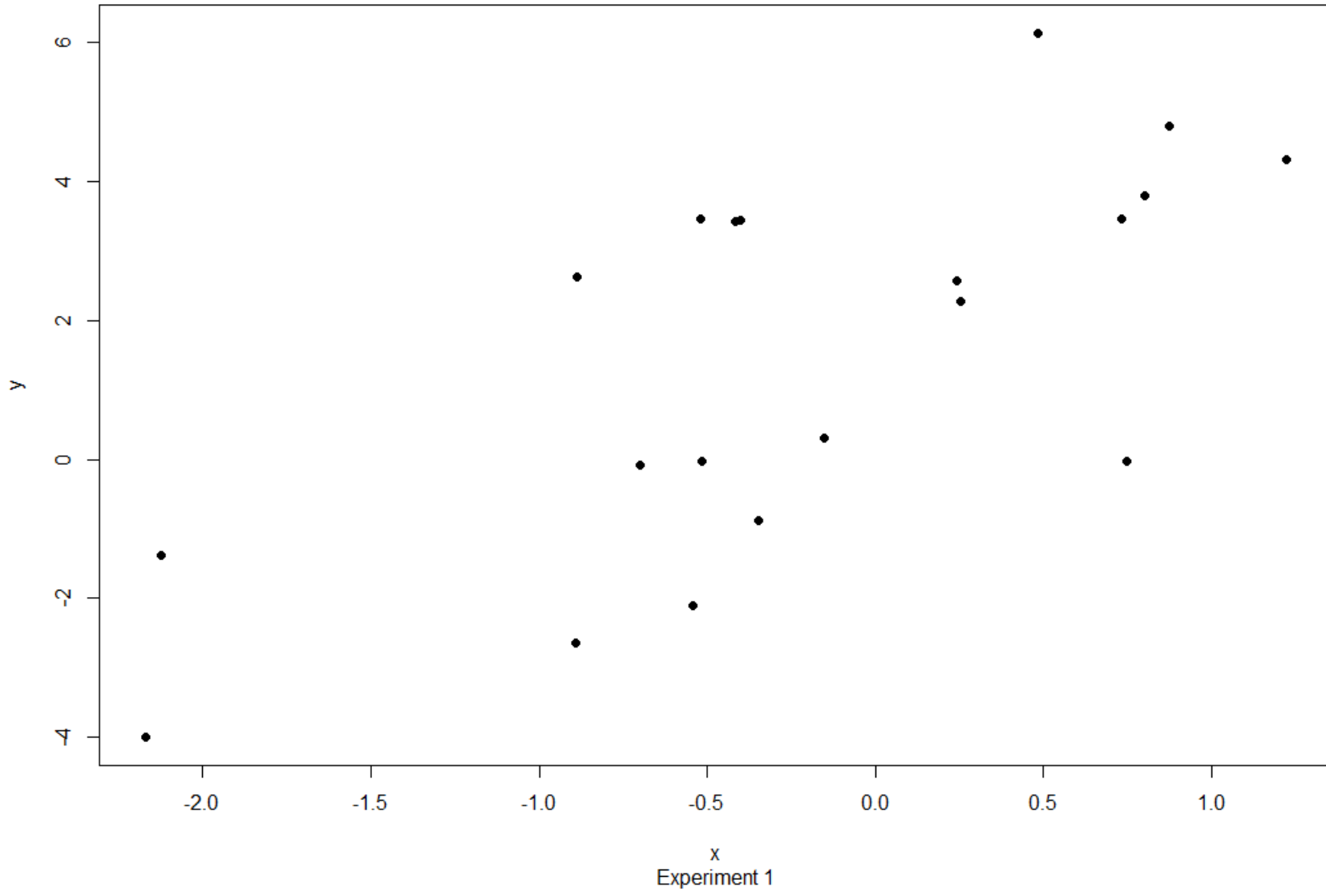
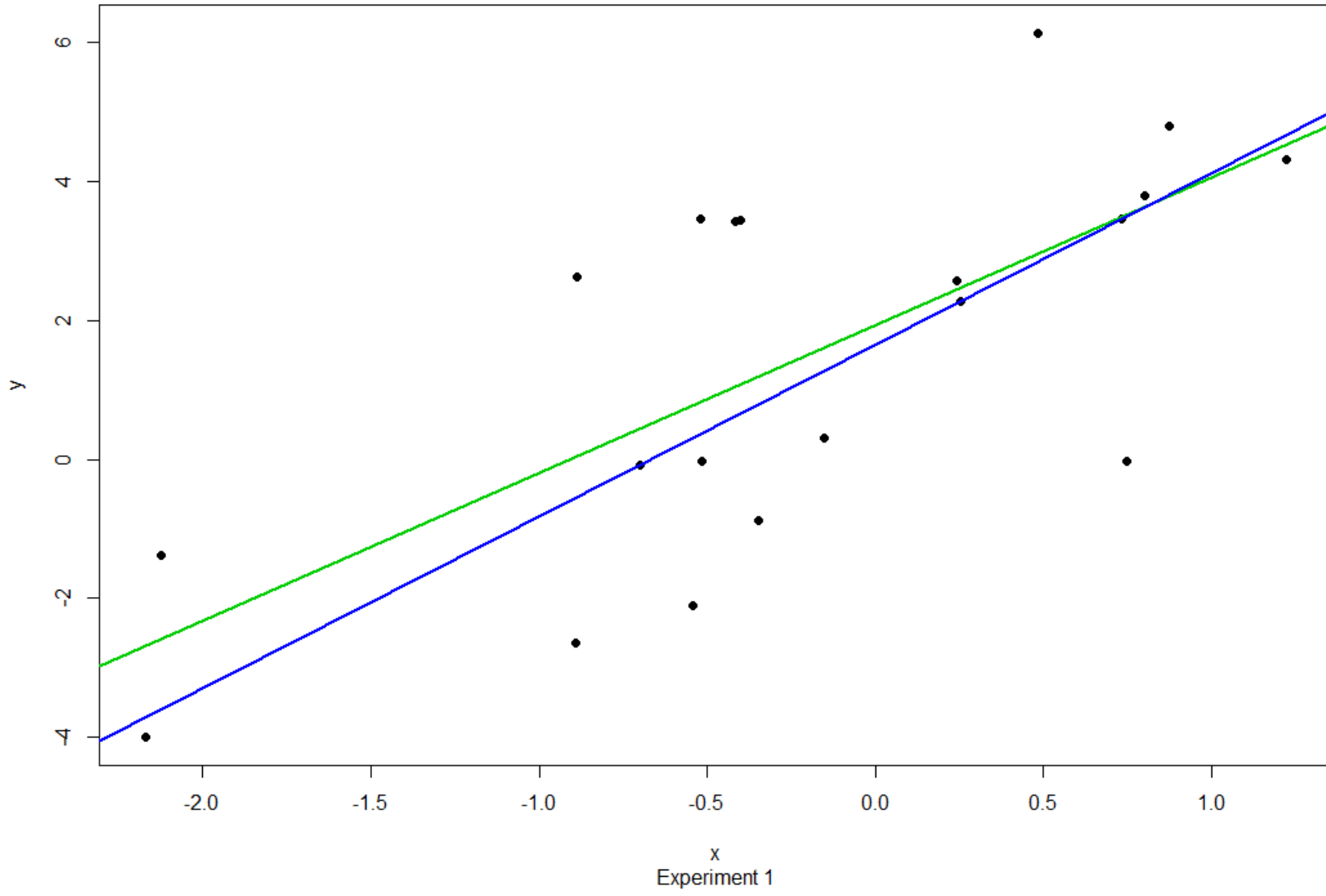


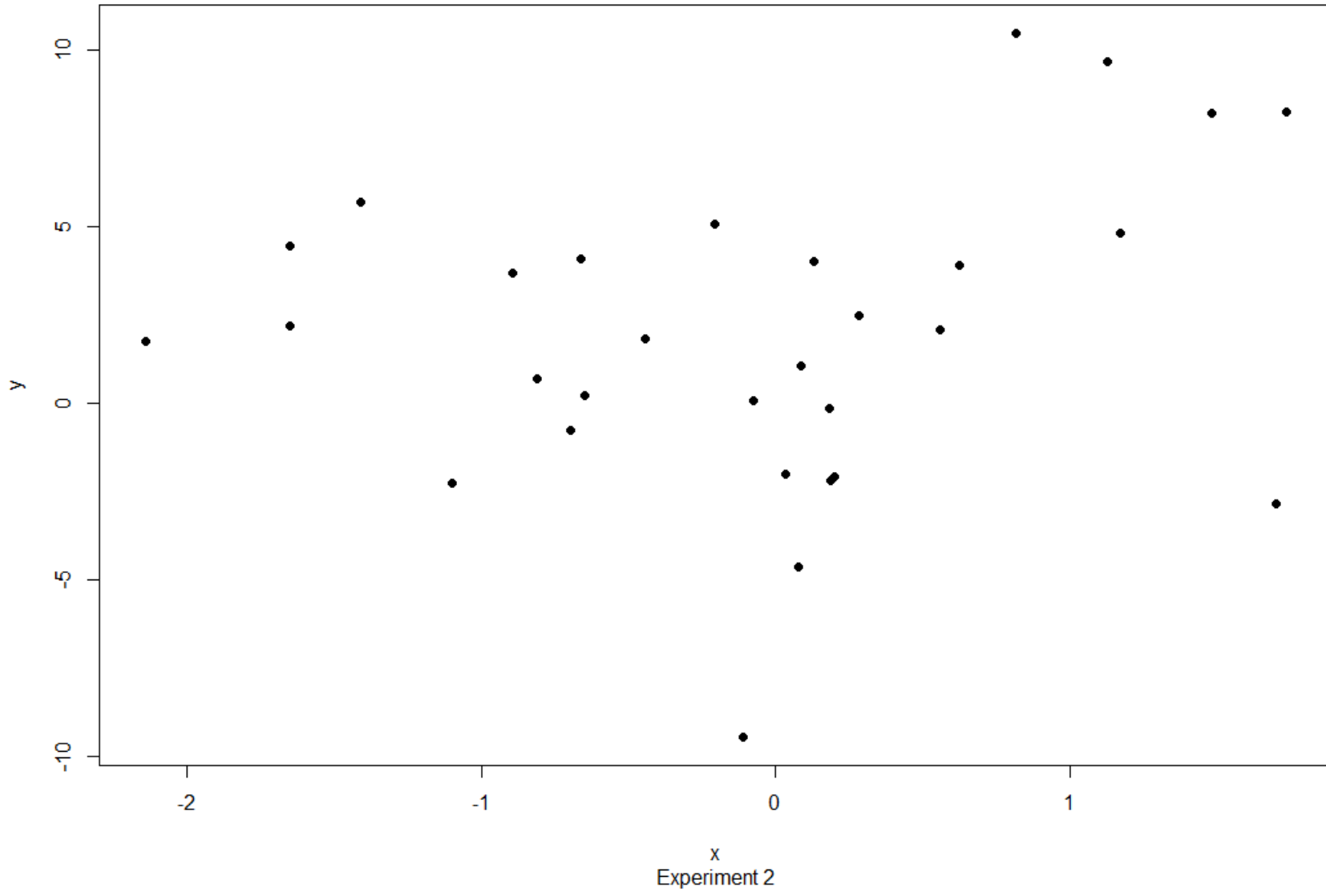
### 3180 Line Fitting



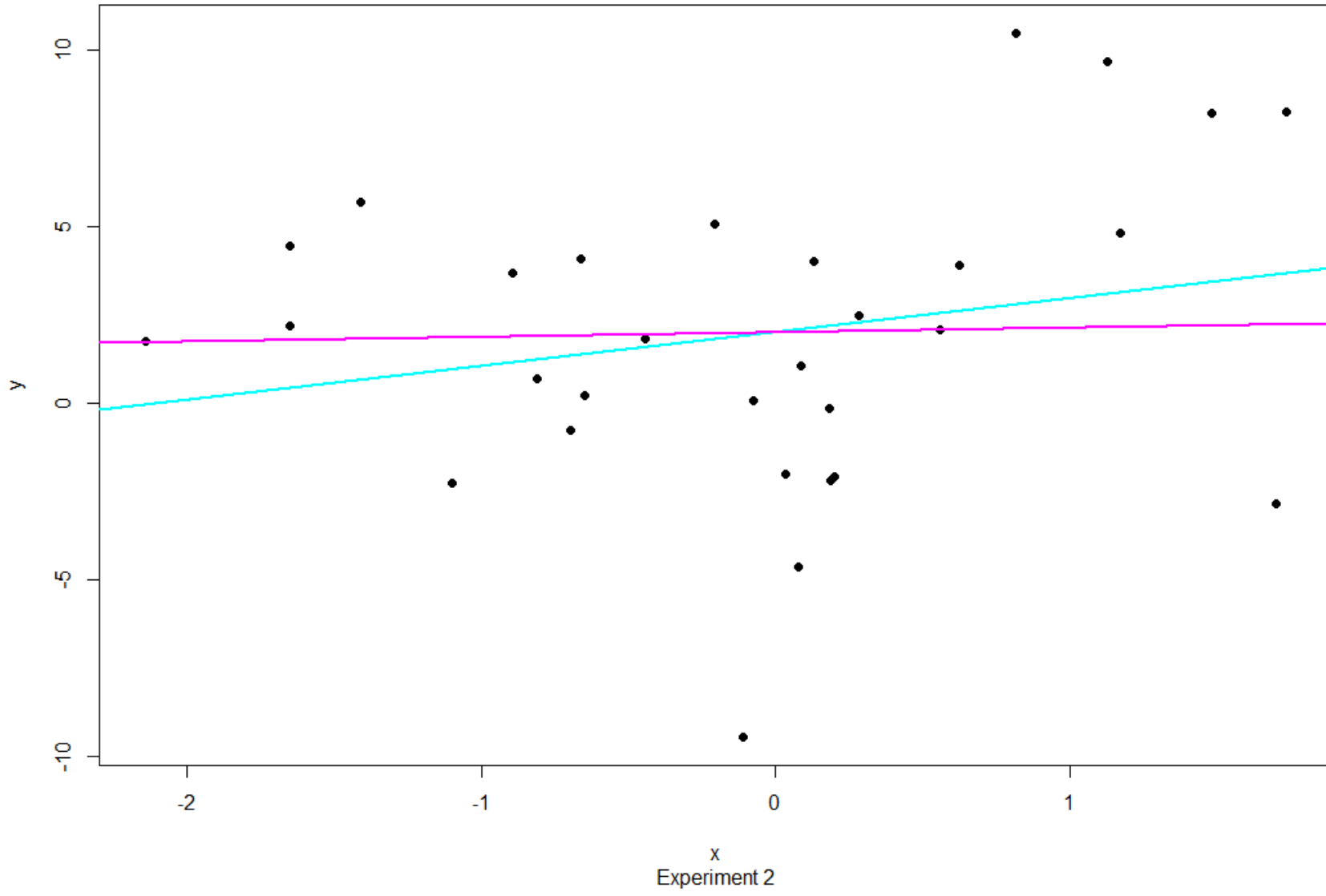
3180 Line Fitting



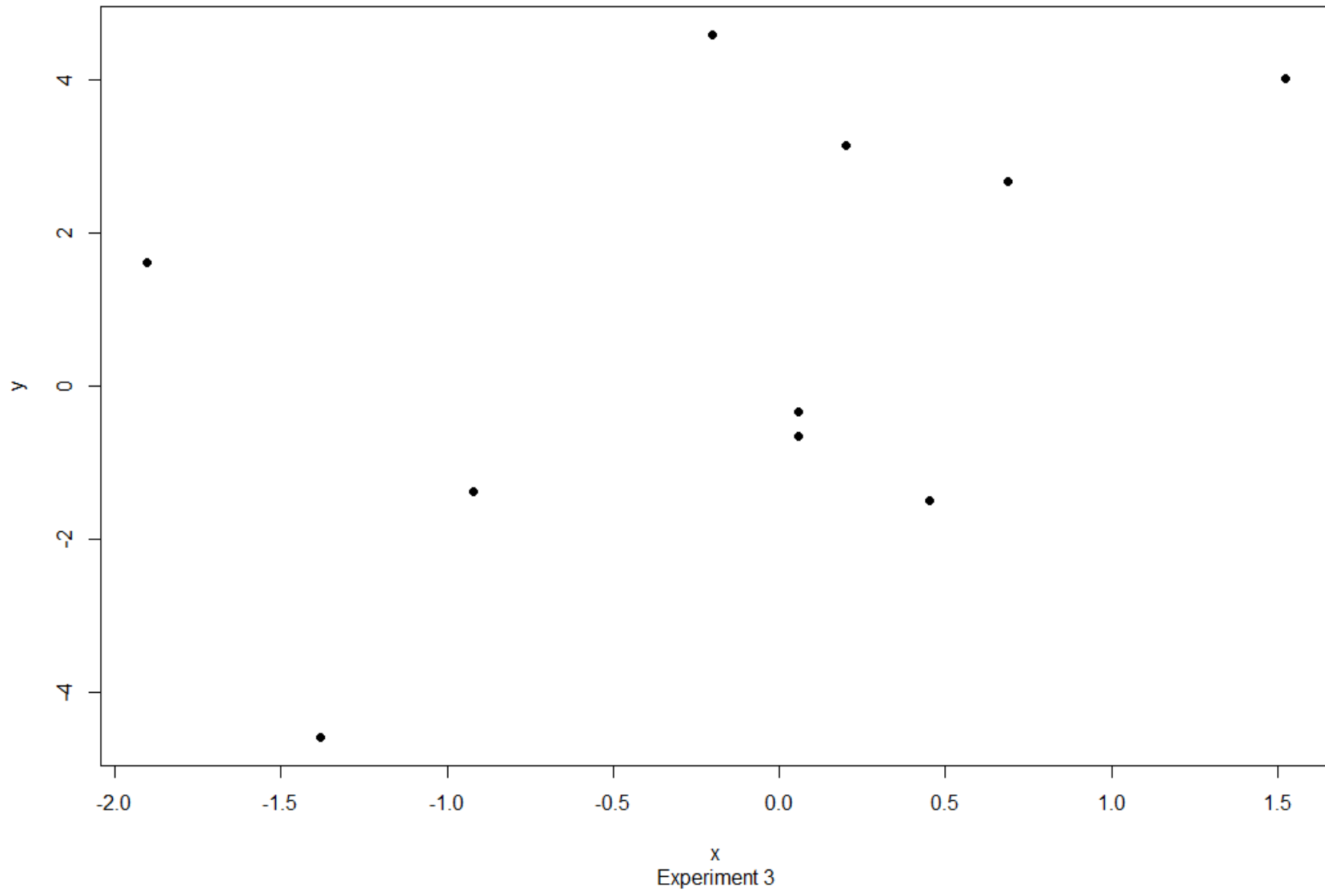
### 3180 Line Fitting



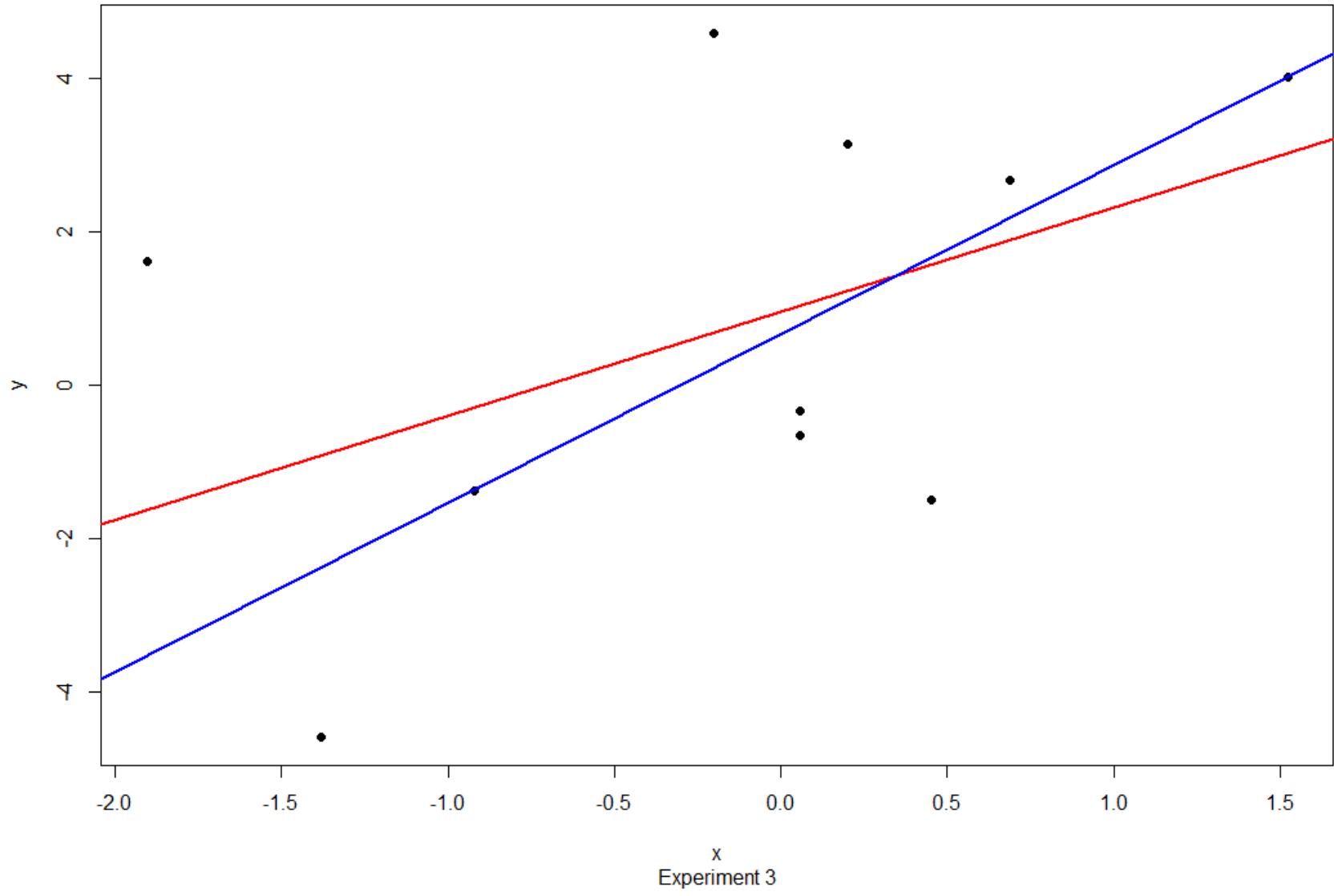
3180 Line Fitting



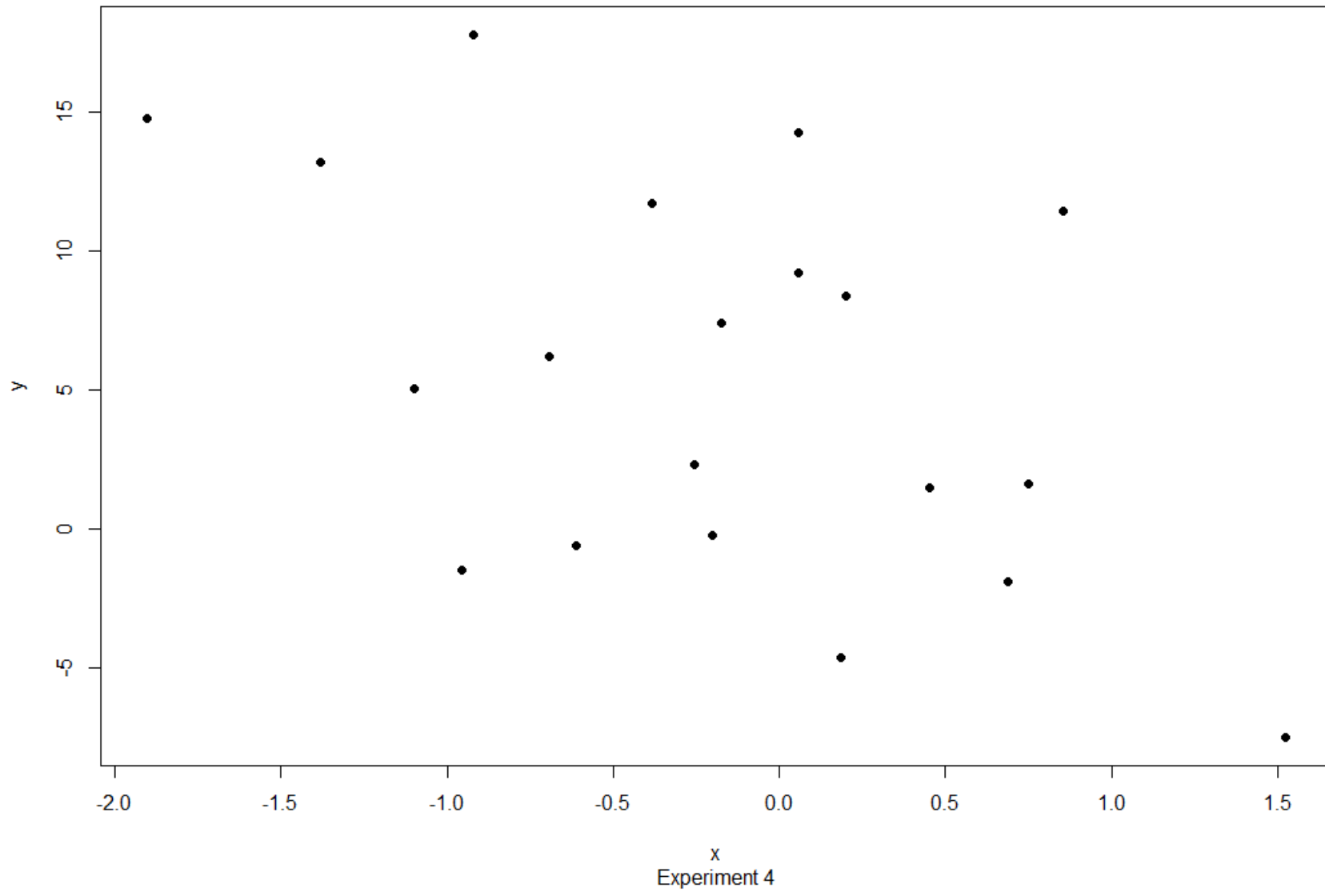
### 3180 Line Fitting



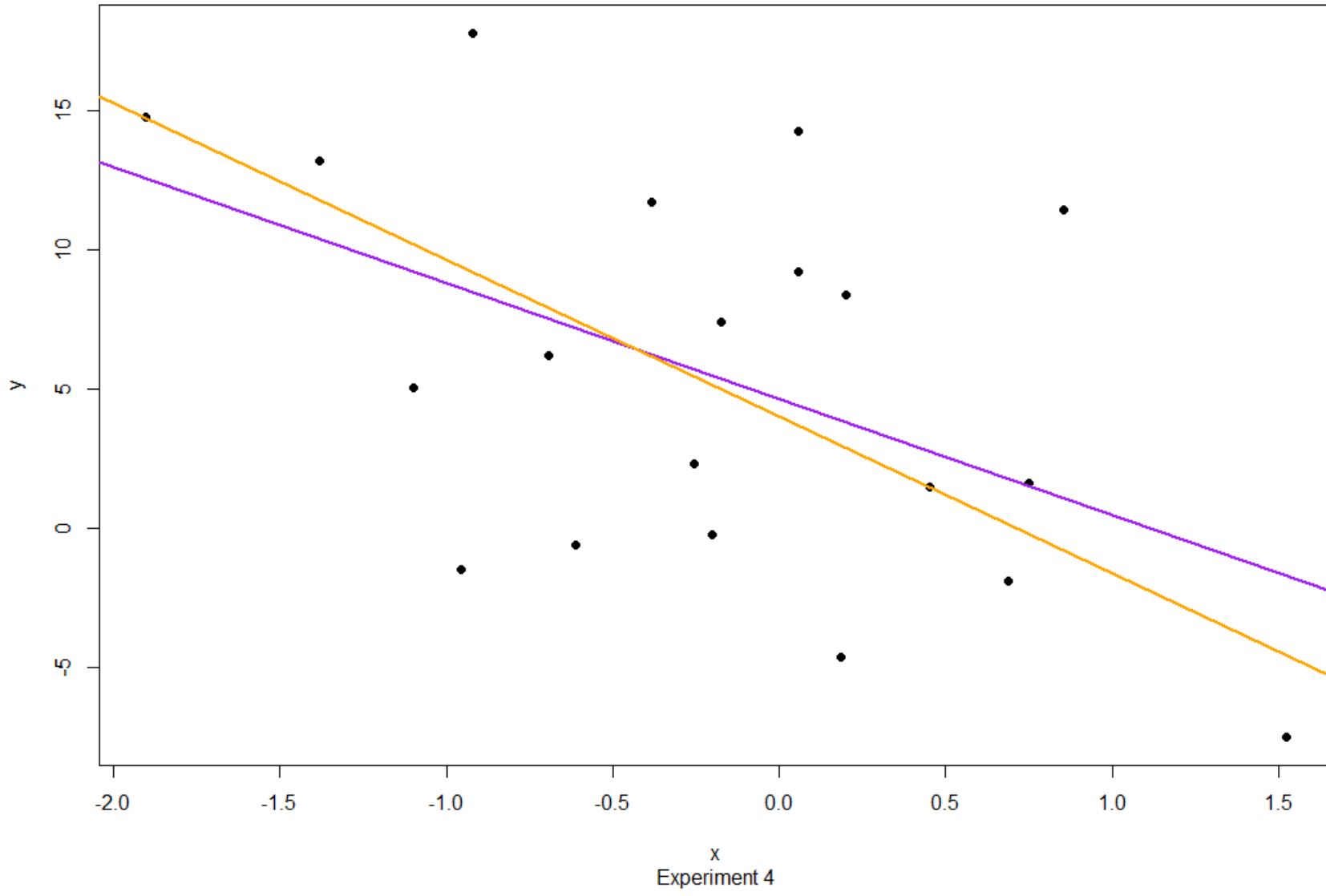
3180 Line Fitting



### 3180 Line Fitting



3180 Line Fitting





### R Code for generating the graphs:

```
set.seed(3187)

#Generate and plot the data:
x = rnorm(10)
y = 2 + 2*x + 4*rnorm(10)
plot(x,y,pch=16,main = "3180 Line Fitting",sub = "Experiment 3")

#OLS:
b0 = lm(y~x)$coeff[1]
b1 = lm(y~x)$coeff[2]
abline(b0,b1,col=2,lwd=2)

#LAD:
c0 = rq(y~x)$coeff[1]
c1 = rq(y~x)$coeff[2]
abline(c0,c1,col=4,lwd=2)
```