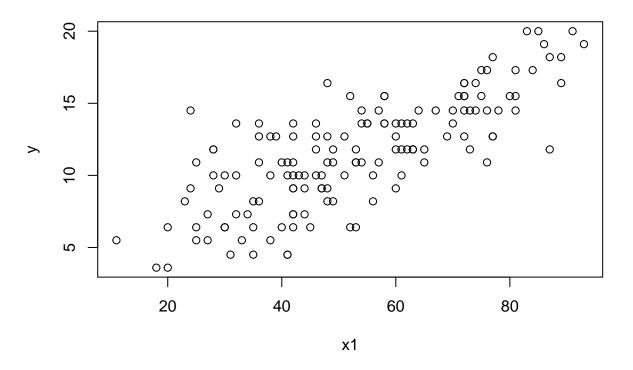
```
# load data
rc.df = read.table("data.txt", header = TRUE)

# plot data
plot(
    rc.df$resp,
    rc.df$var2,
    type = "p", xlab = "x1", ylab = "y"
)
```



```
# fit model and view model summary
rc.lm = lm(resp~var2, data = rc.df)
summary(rc.lm)
##
## Call:
## lm(formula = resp ~ var2, data = rc.df)
##
## Residuals:
##
       Min
                1Q Median
                                3Q
                                       Max
## -39.980 -6.471
                    0.826
                             8.575 33.242
##
## Coefficients:
               Estimate Std. Error t value Pr(>|t|)
##
## (Intercept)
                 9.0845
                            3.2204
                                     2.821 0.00547 **
## var2
                 3.7859
                            0.2647 14.301 < 2e-16 ***
## ---
```

Residual Plot

