model\_1=glm(female~smoke, data = cohort)

plot(model\_1)

plot(cohort$female, cohort$smoke,

col="red", pch=16, cex=2, cex.lab=1.5,

xlab="Female", ylab="Smoking")

lines(loess.smooth(cohort$female, cohort$smoke, span=.80), col="red")

lm(age~smoke, data=cohort)

A graph of a graph with a number of squares

AI-generated content may be incorrect.

Call:

lm(formula = age ~ smoke, data = cohort)

Coefficients:

(Intercept) smoke

44.031 -0.586

lm(smoke~cost, data=cohort)

Call:

lm(formula = smoke ~ cost, data = cohort)

Coefficients:

(Intercept) cost

-3.9074799 0.0004435

lm(age~cardiac, data=cohort)

Call:

lm(formula = age ~ cardiac, data = cohort)

Coefficients:

(Intercept) cardiac

43.855 1.665

summary(cohort)

> summary(cohort)

smoke female age cardiac cost

Min. :0.0000 Min. :0.0000 Min. :18.00 Min. :0.00 Min. : 7878

1st Qu.:0.0000 1st Qu.:0.0000 1st Qu.:31.00 1st Qu.:0.00 1st Qu.: 8874

Median :0.0000 Median :1.0000 Median :44.00 Median :0.00 Median : 9143

Mean :0.1578 Mean :0.5548 Mean :43.94 Mean :0.05 Mean : 9166

3rd Qu.:0.0000 3rd Qu.:1.0000 3rd Qu.:57.00 3rd Qu.:0.00 3rd Qu.: 9426

Max. :1.0000 Max. :1.0000 Max. :70.00 Max. :1.00 Max. :10790