**RStudio Code:**

> x = read.csv("Group\_87 DV.csv", header = T, na.string = "NA")

> y = read.csv("Group\_87 IV.csv", header = T, na.string = "NA")

> M = merge(x, y, by = "ID")

> M = na.omit(M)

> fitM = lm(formula = M$Y ~ M$X)

> summary(fitM)

> anova(fitM)

> confint(fitM, level = 0.99)

**Data Output:**

Call:

lm(formula = M$Y ~ M$X)

Residuals:

Min 1Q Median 3Q Max

-92121 -21034 -154 20695 97070

Coefficients:

Estimate Std. Error t value Pr(>|t|)

(Intercept) 9.994e+05 7.119e+02 1403.77 <2e-16 \*\*\*

M$X -3.883e+01 4.913e-01 -79.03 <2e-16 \*\*\*

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Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 30680 on 1857 degrees of freedom

Multiple R-squared: 0.7708, Adjusted R-squared: 0.7707

F-statistic: 6246 on 1 and 1857 DF, p-value: < 2.2e-16

Analysis of Variance Table

Response: M$Y

Df Sum Sq Mean Sq F value Pr(>F)

M$X 1 5.8800e+12 5.8800e+12 6246.4 < 2.2e-16 \*\*\*

Residuals 1857 1.7481e+12 9.4133e+08

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Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

0.5 % 99.5 %

(Intercept) 997563.54010 1001234.98173

M$X -40.09369 -37.56025