reg.1 = lm(SumOfWeatherDelay ~ Lat)

summary(reg.1)

Residuals:

Min 1Q Median 3Q Max

-3106 -2690 -2082 -440 100967

Coefficients:

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

(Intercept) 3262.829 2410.796 1.353 0.177

Lat -8.869 61.411 -0.144 0.885

Residual standard error: 8750 on 285 degrees of freedom

Multiple R-squared: 7.318e-05, Adjusted R-squared: -0.003435

F-statistic: 0.02086 on 1 and 285 DF, p-value: 0.8853

reg.2 = lm(AvgArrDelayPerFlight ~ NumOfArrivals)

summary(reg.2)

Residuals:

Min 1Q Median 3Q Max

-18.303 -3.351 -0.828 2.307 45.308

Coefficients:

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

(Intercept) 1.103e+01 4.342e-01 25.411 <2e-16 \*\*\*

NumOfArrivals -1.086e-05 5.398e-05 -0.201 0.841

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

Residual standard error: 6.63 on 285 degrees of freedom

Multiple R-squared: 0.0001421, Adjusted R-squared: -0.003366

F-statistic: 0.04049 on 1 and 285 DF, p-value: 0.8407

reg.3 = lm( SumOfArrDelay ~NumOfArrivals)

summary(reg.3)

Residuals:

Min 1Q Median 3Q Max

-207941 647 4859 6193 784058

Coefficients:

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

(Intercept) -5991.7932 3729.0466 -1.607 0.109

NumOfArrivals 12.5519 0.4636 27.075 <2e-16 \*\*\*

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

Residual standard error: 56940 on 285 degrees of freedom

Multiple R-squared: 0.7201, Adjusted R-squared: 0.7191

F-statistic: 733.1 on 1 and 285 DF, p-value: < 2.2e-16