> print(datosTotales6)

[1] 96173

> print(datosProduccion6)

[1] 96114

> summary(regA1)

Call:

felm(formula = personal\_total\_month ~ ejecuciones\_6Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-1482.51 -10.76 -0.24 10.85 3028.55

Coefficients:

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

ejecuciones\_6Meses 0.007758 0.005170 1.501 0.133

Residual standard error: 71.41 on 93628 degrees of freedom

Multiple R-squared(full model): 0.9866 Adjusted R-squared: 0.9862

Multiple R-squared(proj model): 2.405e-05 Adjusted R-squared: -0.02715

F-statistic(full model): 2709 on 2544 and 93628 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.252 on 1 and 93628 DF, p-value: 0.1335

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regA2)

Call:

felm(formula = obreros\_totales\_month ~ ejecuciones\_6Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-1477.59 -8.93 -0.71 9.20 2891.23

Coefficients:

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

ejecuciones\_6Meses 0.009510 0.004334 2.194 0.0282 \*

---

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

Residual standard error: 59.86 on 93628 degrees of freedom

Multiple R-squared(full model): 0.9782 Adjusted R-squared: 0.9776

Multiple R-squared(proj model): 5.143e-05 Adjusted R-squared: -0.02712

F-statistic(full model): 1648 on 2544 and 93628 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.815 on 1 and 93628 DF, p-value: 0.02821

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regA3)

Call:

felm(formula = empleados\_totales\_month ~ ejecuciones\_6Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-643.65 -2.35 0.20 2.11 1200.90

Coefficients:

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

ejecuciones\_6Meses -0.001752 0.002162 -0.81 0.418

Residual standard error: 29.87 on 93628 degrees of freedom

Multiple R-squared(full model): 0.9899 Adjusted R-squared: 0.9896

Multiple R-squared(proj model): 7.012e-06 Adjusted R-squared: -0.02716

F-statistic(full model): 3604 on 2544 and 93628 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.6565 on 1 and 93628 DF, p-value: 0.4178

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regA7)

Call:

felm(formula = horas\_personal\_total\_month ~ ejecuciones\_6Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-762.56 -3.14 -0.10 3.02 643.24

Coefficients:

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

ejecuciones\_6Meses 0.001958 0.001399 1.4 0.162

Residual standard error: 19.33 on 93628 degrees of freedom

Multiple R-squared(full model): 0.9754 Adjusted R-squared: 0.9747

Multiple R-squared(proj model): 2.092e-05 Adjusted R-squared: -0.02715

F-statistic(full model): 1458 on 2544 and 93628 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.959 on 1 and 93628 DF, p-value: 0.1616

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regA8)

Call:

felm(formula = horas\_obreros\_month ~ ejecuciones\_6Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-580.05 -2.50 -0.11 2.42 529.34

Coefficients:

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

ejecuciones\_6Meses 0.002309 0.001106 2.087 0.0369 \*

---

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

Residual standard error: 15.28 on 93628 degrees of freedom

Multiple R-squared(full model): 0.9614 Adjusted R-squared: 0.9604

Multiple R-squared(proj model): 4.651e-05 Adjusted R-squared: -0.02712

F-statistic(full model):916.9 on 2544 and 93628 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.354 on 1 and 93628 DF, p-value: 0.03692

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regA9)

Call:

felm(formula = horas\_empleados\_month ~ ejecuciones\_6Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-402.07 -0.79 0.01 0.70 439.27

Coefficients:

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

ejecuciones\_6Meses -0.0003502 0.0005935 -0.59 0.555

Residual standard error: 8.197 on 93628 degrees of freedom

Multiple R-squared(full model): 0.984 Adjusted R-squared: 0.9836

Multiple R-squared(proj model): 3.72e-06 Adjusted R-squared: -0.02717

F-statistic(full model): 2270 on 2544 and 93628 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3483 on 1 and 93628 DF, p-value: 0.5551

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regA4)

Call:

felm(formula = remuneraciones\_month ~ ejecuciones\_6Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-160923 -102 74 206 316459

Coefficients:

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

ejecuciones\_6Meses -0.1634 0.2657 -0.615 0.539

Residual standard error: 3670 on 93628 degrees of freedom

Multiple R-squared(full model): 0.9324 Adjusted R-squared: 0.9306

Multiple R-squared(proj model): 4.04e-06 Adjusted R-squared: -0.02717

F-statistic(full model): 508 on 2544 and 93628 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3782 on 1 and 93628 DF, p-value: 0.5386

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regA5)

Call:

felm(formula = salario\_obreros\_month ~ ejecuciones\_6Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-52861 -56 25 94 215851

Coefficients:

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

ejecuciones\_6Meses 0.09691 0.12241 0.792 0.429

Residual standard error: 1691 on 93628 degrees of freedom

Multiple R-squared(full model): 0.8602 Adjusted R-squared: 0.8564

Multiple R-squared(proj model): 6.695e-06 Adjusted R-squared: -0.02716

F-statistic(full model):226.5 on 2544 and 93628 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.6268 on 1 and 93628 DF, p-value: 0.4285

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regA6)

Call:

felm(formula = salario\_empleados\_month ~ ejecuciones\_6Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-29249 -24 45 87 169402

Coefficients:

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

ejecuciones\_6Meses -0.2560 0.1401 -1.827 0.0677 .

---

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

Residual standard error: 1935 on 93628 degrees of freedom

Multiple R-squared(full model): 0.883 Adjusted R-squared: 0.8798

Multiple R-squared(proj model): 3.565e-05 Adjusted R-squared: -0.02713

F-statistic(full model):277.6 on 2544 and 93628 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.338 on 1 and 93628 DF, p-value: 0.06771

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regA10)

Call:

felm(formula = cantidad\_produccion\_month ~ ejecuciones\_6Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-21446500 -9997 -1508 10480 34451166

Coefficients:

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

ejecuciones\_6Meses 8.144 20.831 0.391 0.696

Residual standard error: 287700 on 93569 degrees of freedom

(59 observations deleted due to missingness)

Multiple R-squared(full model): 0.9204 Adjusted R-squared: 0.9182

Multiple R-squared(proj model): 1.633e-06 Adjusted R-squared: -0.02719

F-statistic(full model): 425 on 2544 and 93569 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1528 on 1 and 93569 DF, p-value: 0.6958

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regA11)

Call:

felm(formula = valor\_produccion\_month ~ ejecuciones\_6Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-4465518 -5562 129 4643 3124906

Coefficients:

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

ejecuciones\_6Meses -6.583 5.492 -1.199 0.231

Residual standard error: 75850 on 93569 degrees of freedom

(59 observations deleted due to missingness)

Multiple R-squared(full model): 0.9576 Adjusted R-squared: 0.9565

Multiple R-squared(proj model): 1.536e-05 Adjusted R-squared: -0.02717

F-statistic(full model):831.1 on 2544 and 93569 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.437 on 1 and 93569 DF, p-value: 0.2306

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regA12)

Call:

felm(formula = cantidad\_ventas\_month ~ ejecuciones\_6Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-21540502 -8990 -661 9845 34451553

Coefficients:

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

ejecuciones\_6Meses 9.727 20.708 0.47 0.639

Residual standard error: 286000 on 93569 degrees of freedom

(59 observations deleted due to missingness)

Multiple R-squared(full model): 0.9211 Adjusted R-squared: 0.9189

Multiple R-squared(proj model): 2.358e-06 Adjusted R-squared: -0.02719

F-statistic(full model):429.3 on 2544 and 93569 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2206 on 1 and 93569 DF, p-value: 0.6386

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regA13)

Call:

felm(formula = valor\_ventas\_netas\_month ~ ejecuciones\_6Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-4203928 -5596 424 4565 3435282

Coefficients:

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

ejecuciones\_6Meses -7.125 5.522 -1.29 0.197

Residual standard error: 76260 on 93569 degrees of freedom

(59 observations deleted due to missingness)

Multiple R-squared(full model): 0.9571 Adjusted R-squared: 0.9559

Multiple R-squared(proj model): 1.78e-05 Adjusted R-squared: -0.02717

F-statistic(full model):820.1 on 2544 and 93569 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.665 on 1 and 93569 DF, p-value: 0.1969

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

>

> print('----------------------------------------------------------')

[1] "----------------------------------------------------------"

> print(datosTotales12)

[1] 85030

> print(datosProduccion12)

[1] 84996

> summary(regB1)

Call:

felm(formula = personal\_total\_month ~ ejecuciones\_12Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-1438.18 -10.73 0.14 9.85 1464.89

Coefficients:

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

ejecuciones\_12Meses 0.003030 0.002968 1.021 0.307

Residual standard error: 66.67 on 82490 degrees of freedom

Multiple R-squared(full model): 0.9883 Adjusted R-squared: 0.9879

Multiple R-squared(proj model): 1.264e-05 Adjusted R-squared: -0.03077

F-statistic(full model): 2734 on 2539 and 82490 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.043 on 1 and 82490 DF, p-value: 0.3072

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regB2)

Call:

felm(formula = obreros\_totales\_month ~ ejecuciones\_12Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-1432.69 -8.79 -0.31 8.48 1387.64

Coefficients:

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

ejecuciones\_12Meses 0.004152 0.002491 1.666 0.0956 .

---

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

Residual standard error: 55.97 on 82490 degrees of freedom

Multiple R-squared(full model): 0.9807 Adjusted R-squared: 0.9801

Multiple R-squared(proj model): 3.366e-05 Adjusted R-squared: -0.03074

F-statistic(full model): 1651 on 2539 and 82490 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.777 on 1 and 82490 DF, p-value: 0.09564

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regB3)

Call:

felm(formula = empleados\_totales\_month ~ ejecuciones\_12Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-534.26 -2.38 0.39 1.91 1310.30

Coefficients:

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

ejecuciones\_12Meses -0.001122 0.001250 -0.897 0.37

Residual standard error: 28.07 on 82490 degrees of freedom

Multiple R-squared(full model): 0.9911 Adjusted R-squared: 0.9908

Multiple R-squared(proj model): 9.763e-06 Adjusted R-squared: -0.03077

F-statistic(full model): 3618 on 2539 and 82490 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.8053 on 1 and 82490 DF, p-value: 0.3695

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regB7)

Call:

felm(formula = horas\_personal\_total\_month ~ ejecuciones\_12Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-723.98 -2.97 -0.08 2.81 476.79

Coefficients:

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

ejecuciones\_12Meses 0.0001581 0.0008141 0.194 0.846

Residual standard error: 18.29 on 82490 degrees of freedom

Multiple R-squared(full model): 0.9776 Adjusted R-squared: 0.9769

Multiple R-squared(proj model): 4.57e-07 Adjusted R-squared: -0.03078

F-statistic(full model): 1419 on 2539 and 82490 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.0377 on 1 and 82490 DF, p-value: 0.846

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regB8)

Call:

felm(formula = horas\_obreros\_month ~ ejecuciones\_12Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-565.16 -2.39 -0.07 2.25 364.66

Coefficients:

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

ejecuciones\_12Meses 0.000578 0.000643 0.899 0.369

Residual standard error: 14.44 on 82490 degrees of freedom

Multiple R-squared(full model): 0.9648 Adjusted R-squared: 0.9637

Multiple R-squared(proj model): 9.797e-06 Adjusted R-squared: -0.03077

F-statistic(full model):889.7 on 2539 and 82490 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.8082 on 1 and 82490 DF, p-value: 0.3687

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regB9)

Call:

felm(formula = horas\_empleados\_month ~ ejecuciones\_12Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-399.29 -0.73 0.02 0.63 319.78

Coefficients:

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

ejecuciones\_12Meses -0.0004199 0.0003475 -1.209 0.227

Residual standard error: 7.806 on 82490 degrees of freedom

Multiple R-squared(full model): 0.9855 Adjusted R-squared: 0.985

Multiple R-squared(proj model): 1.771e-05 Adjusted R-squared: -0.03076

F-statistic(full model): 2202 on 2539 and 82490 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.461 on 1 and 82490 DF, p-value: 0.2268

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regB4)

Call:

felm(formula = remuneraciones\_month ~ ejecuciones\_12Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-169001 -100 85 219 308380

Coefficients:

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

ejecuciones\_12Meses -0.1180 0.1658 -0.711 0.477

Residual standard error: 3726 on 82490 degrees of freedom

Multiple R-squared(full model): 0.9329 Adjusted R-squared: 0.9309

Multiple R-squared(proj model): 6.135e-06 Adjusted R-squared: -0.03077

F-statistic(full model): 452 on 2539 and 82490 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.506 on 1 and 82490 DF, p-value: 0.4769

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regB5)

Call:

felm(formula = salario\_obreros\_month ~ ejecuciones\_12Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-57409 -55 29 99 211303

Coefficients:

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

ejecuciones\_12Meses 0.04870 0.07695 0.633 0.527

Residual standard error: 1729 on 82490 degrees of freedom

Multiple R-squared(full model): 0.8611 Adjusted R-squared: 0.8568

Multiple R-squared(proj model): 4.856e-06 Adjusted R-squared: -0.03077

F-statistic(full model):201.4 on 2539 and 82490 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.4006 on 1 and 82490 DF, p-value: 0.5268

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regB6)

Call:

felm(formula = salario\_empleados\_month ~ ejecuciones\_12Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-32093 -19 52 93 167739

Coefficients:

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

ejecuciones\_12Meses -0.14639 0.08855 -1.653 0.0983 .

---

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

Residual standard error: 1989 on 82490 degrees of freedom

Multiple R-squared(full model): 0.8818 Adjusted R-squared: 0.8781

Multiple R-squared(proj model): 3.313e-05 Adjusted R-squared: -0.03075

F-statistic(full model):242.3 on 2539 and 82490 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.733 on 1 and 82490 DF, p-value: 0.09828

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regB10)

Call:

felm(formula = cantidad\_produccion\_month ~ ejecuciones\_12Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-19763693 -8049 -1598 9761 34878852

Coefficients:

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

ejecuciones\_12Meses 3.482 11.807 0.295 0.768

Residual standard error: 265200 on 82456 degrees of freedom

(34 observations deleted due to missingness)

Multiple R-squared(full model): 0.926 Adjusted R-squared: 0.9237

Multiple R-squared(proj model): 1.055e-06 Adjusted R-squared: -0.03079

F-statistic(full model):406.4 on 2539 and 82456 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.08696 on 1 and 82456 DF, p-value: 0.7681

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regB11)

Call:

felm(formula = valor\_produccion\_month ~ ejecuciones\_12Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-4440197 -5519 -89 4812 2640504

Coefficients:

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

ejecuciones\_12Meses -3.683 3.408 -1.081 0.28

Residual standard error: 76560 on 82456 degrees of freedom

(34 observations deleted due to missingness)

Multiple R-squared(full model): 0.9577 Adjusted R-squared: 0.9564

Multiple R-squared(proj model): 1.416e-05 Adjusted R-squared: -0.03078

F-statistic(full model):736.1 on 2539 and 82456 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.168 on 1 and 82456 DF, p-value: 0.2798

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regB12)

Call:

felm(formula = cantidad\_ventas\_month ~ ejecuciones\_12Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-19870019 -7804 -2097 7958 34879259

Coefficients:

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

ejecuciones\_12Meses 3.462 11.744 0.295 0.768

Residual standard error: 263800 on 82456 degrees of freedom

(34 observations deleted due to missingness)

Multiple R-squared(full model): 0.9266 Adjusted R-squared: 0.9244

Multiple R-squared(proj model): 1.054e-06 Adjusted R-squared: -0.03079

F-statistic(full model):410.2 on 2539 and 82456 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.08692 on 1 and 82456 DF, p-value: 0.7681

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regB13)

Call:

felm(formula = valor\_ventas\_netas\_month ~ ejecuciones\_12Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-4198319 -5527 117 4648 3433891

Coefficients:

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

ejecuciones\_12Meses -3.841 3.428 -1.121 0.262

Residual standard error: 77000 on 82456 degrees of freedom

(34 observations deleted due to missingness)

Multiple R-squared(full model): 0.9574 Adjusted R-squared: 0.9561

Multiple R-squared(proj model): 1.523e-05 Adjusted R-squared: -0.03078

F-statistic(full model):729.6 on 2539 and 82456 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.256 on 1 and 82456 DF, p-value: 0.2624

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

>

> print('----------------------------------------------------------')

[1] "----------------------------------------------------------"

> print(datosTotales24)

[1] 58196

> print(datosProduccion24)

[1] 58172

> summary(regC1)

Call:

felm(formula = personal\_total\_month ~ ejecuciones\_24Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-1473.23 -7.68 0.86 6.25 1649.36

Coefficients:

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

ejecuciones\_24Meses -0.005339 0.002329 -2.292 0.0219 \*

---

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

Residual standard error: 56.47 on 55668 degrees of freedom

Multiple R-squared(full model): 0.9914 Adjusted R-squared: 0.991

Multiple R-squared(proj model): 9.437e-05 Adjusted R-squared: -0.0453

F-statistic(full model): 2538 on 2527 and 55668 DF, p-value: < 2.2e-16

F-statistic(proj model): 5.254 on 1 and 55668 DF, p-value: 0.0219

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regC2)

Call:

felm(formula = obreros\_totales\_month ~ ejecuciones\_24Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-1463.15 -7.00 0.66 5.80 1555.85

Coefficients:

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

ejecuciones\_24Meses -0.005813 0.002050 -2.836 0.00457 \*\*

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

Residual standard error: 49.7 on 55668 degrees of freedom

Multiple R-squared(full model): 0.9844 Adjusted R-squared: 0.9837

Multiple R-squared(proj model): 0.0001444 Adjusted R-squared: -0.04524

F-statistic(full model): 1388 on 2527 and 55668 DF, p-value: < 2.2e-16

F-statistic(proj model): 8.042 on 1 and 55668 DF, p-value: 0.004573

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regC3)

Call:

felm(formula = empleados\_totales\_month ~ ejecuciones\_24Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-612.70 -1.40 0.10 1.19 1700.49

Coefficients:

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

ejecuciones\_24Meses 0.0004743 0.0008693 0.546 0.585

Residual standard error: 21.08 on 55668 degrees of freedom

Multiple R-squared(full model): 0.995 Adjusted R-squared: 0.9947

Multiple R-squared(proj model): 5.346e-06 Adjusted R-squared: -0.04539

F-statistic(full model): 4353 on 2527 and 55668 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2976 on 1 and 55668 DF, p-value: 0.5854

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regC7)

Call:

felm(formula = horas\_personal\_total\_month ~ ejecuciones\_24Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-663.18 -2.45 0.01 2.42 537.52

Coefficients:

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

ejecuciones\_24Meses -0.0012794 0.0006811 -1.878 0.0603 .

---

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

Residual standard error: 16.51 on 55668 degrees of freedom

Multiple R-squared(full model): 0.9812 Adjusted R-squared: 0.9804

Multiple R-squared(proj model): 6.338e-05 Adjusted R-squared: -0.04533

F-statistic(full model): 1152 on 2527 and 55668 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.529 on 1 and 55668 DF, p-value: 0.06033

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regC8)

Call:

felm(formula = horas\_obreros\_month ~ ejecuciones\_24Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-533.43 -2.06 0.03 1.91 409.99

Coefficients:

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

ejecuciones\_24Meses -0.0012221 0.0005518 -2.215 0.0268 \*

---

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

Residual standard error: 13.38 on 55668 degrees of freedom

Multiple R-squared(full model): 0.9689 Adjusted R-squared: 0.9675

Multiple R-squared(proj model): 8.813e-05 Adjusted R-squared: -0.0453

F-statistic(full model):686.2 on 2527 and 55668 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.906 on 1 and 55668 DF, p-value: 0.02676

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regC9)

Call:

felm(formula = horas\_empleados\_month ~ ejecuciones\_24Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-347.02 -0.58 -0.03 0.53 381.35

Coefficients:

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

ejecuciones\_24Meses -5.731e-05 2.704e-04 -0.212 0.832

Residual standard error: 6.556 on 55668 degrees of freedom

Multiple R-squared(full model): 0.9896 Adjusted R-squared: 0.9891

Multiple R-squared(proj model): 8.07e-07 Adjusted R-squared: -0.04539

F-statistic(full model): 2089 on 2527 and 55668 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.04492 on 1 and 55668 DF, p-value: 0.8321

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regC4)

Call:

felm(formula = remuneraciones\_month ~ ejecuciones\_24Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-96889 -86 92 227 221168

Coefficients:

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

ejecuciones\_24Meses -0.1389 0.1515 -0.917 0.359

Residual standard error: 3673 on 55668 degrees of freedom

Multiple R-squared(full model): 0.9371 Adjusted R-squared: 0.9343

Multiple R-squared(proj model): 1.509e-05 Adjusted R-squared: -0.04538

F-statistic(full model):328.4 on 2527 and 55668 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.8403 on 1 and 55668 DF, p-value: 0.3593

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regC5)

Call:

felm(formula = salario\_obreros\_month ~ ejecuciones\_24Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-53478 -50 35 105 85014

Coefficients:

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

ejecuciones\_24Meses -0.06100 0.06783 -0.899 0.369

Residual standard error: 1645 on 55668 degrees of freedom

Multiple R-squared(full model): 0.8737 Adjusted R-squared: 0.868

Multiple R-squared(proj model): 1.452e-05 Adjusted R-squared: -0.04538

F-statistic(full model):152.4 on 2527 and 55668 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.8085 on 1 and 55668 DF, p-value: 0.3686

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regC6)

Call:

felm(formula = salario\_empleados\_month ~ ejecuciones\_24Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-30778 -11 58 96 139393

Coefficients:

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

ejecuciones\_24Meses -0.07658 0.08160 -0.939 0.348

Residual standard error: 1978 on 55668 degrees of freedom

Multiple R-squared(full model): 0.8884 Adjusted R-squared: 0.8833

Multiple R-squared(proj model): 1.582e-05 Adjusted R-squared: -0.04538

F-statistic(full model):175.3 on 2527 and 55668 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.8809 on 1 and 55668 DF, p-value: 0.348

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regC10)

Call:

felm(formula = cantidad\_produccion\_month ~ ejecuciones\_24Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-20015167 -9235 -1352 7827 10159560

Coefficients:

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

ejecuciones\_24Meses -5.295 9.223 -0.574 0.566

Residual standard error: 223600 on 55644 degrees of freedom

(24 observations deleted due to missingness)

Multiple R-squared(full model): 0.9403 Adjusted R-squared: 0.9376

Multiple R-squared(proj model): 5.923e-06 Adjusted R-squared: -0.04541

F-statistic(full model): 347 on 2527 and 55644 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3296 on 1 and 55644 DF, p-value: 0.5659

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regC11)

Call:

felm(formula = valor\_produccion\_month ~ ejecuciones\_24Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-4781954 -5336 -659 5857 2524691

Coefficients:

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

ejecuciones\_24Meses -3.023 3.317 -0.911 0.362

Residual standard error: 80420 on 55644 degrees of freedom

(24 observations deleted due to missingness)

Multiple R-squared(full model): 0.956 Adjusted R-squared: 0.954

Multiple R-squared(proj model): 1.493e-05 Adjusted R-squared: -0.0454

F-statistic(full model): 478 on 2527 and 55644 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.8306 on 1 and 55644 DF, p-value: 0.3621

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regC12)

Call:

felm(formula = cantidad\_ventas\_month ~ ejecuciones\_24Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-20170121 -8879 -465 6293 10005230

Coefficients:

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

ejecuciones\_24Meses -4.276 9.179 -0.466 0.641

Residual standard error: 222600 on 55644 degrees of freedom

(24 observations deleted due to missingness)

Multiple R-squared(full model): 0.9409 Adjusted R-squared: 0.9382

Multiple R-squared(proj model): 3.899e-06 Adjusted R-squared: -0.04541

F-statistic(full model):350.7 on 2527 and 55644 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.217 on 1 and 55644 DF, p-value: 0.6414

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE

> summary(regC13)

Call:

felm(formula = valor\_ventas\_netas\_month ~ ejecuciones\_24Meses | absMes + municipio\_Estado + empresaID, data = data)

Residuals:

Min 1Q Median 3Q Max

-4611196 -5255 -706 5415 2579866

Coefficients:

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

ejecuciones\_24Meses -3.251 3.335 -0.975 0.33

Residual standard error: 80850 on 55644 degrees of freedom

(24 observations deleted due to missingness)

Multiple R-squared(full model): 0.9555 Adjusted R-squared: 0.9535

Multiple R-squared(proj model): 1.708e-05 Adjusted R-squared: -0.0454

F-statistic(full model):473.1 on 2527 and 55644 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.9504 on 1 and 55644 DF, p-value: 0.3296

\*\*\* Standard errors may be too high due to more than 2 groups and exactDOF=FALSE