> print(subsectoresList[i])

[1] Industria de las bebidas y del tabaco

21 Levels: Curtido y acabado de cuero y piel, y fabricacion de productos de cuero, piel y materiales sucedaneos ...

> print(datosTotales6)

[1] 6259

> print(datosProduccion6)

[1] 5256

> summary(regA1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-2385.49 -14.40 0.35 14.67 2789.69

Coefficients:

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

ejecuciones\_6Meses -0.01733 0.05678 -0.305 0.76

Residual standard error: 220.1 on 5978 degrees of freedom

Multiple R-squared(full model): 0.9118 Adjusted R-squared: 0.9077

Multiple R-squared(proj model): 1.558e-05 Adjusted R-squared: -0.04682

F-statistic(full model):220.7 on 280 and 5978 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.09313 on 1 and 5978 DF, p-value: 0.7602

\*\*\* 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

-1876.72 -14.68 0.48 12.46 2222.99

Coefficients:

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

ejecuciones\_6Meses -0.05375 0.04207 -1.278 0.201

Residual standard error: 163.1 on 5978 degrees of freedom

Multiple R-squared(full model): 0.8705 Adjusted R-squared: 0.8644

Multiple R-squared(proj model): 0.0002729 Adjusted R-squared: -0.04655

F-statistic(full model):143.5 on 280 and 5978 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.632 on 1 and 5978 DF, p-value: 0.2015

\*\*\* 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

-510.87 -6.41 -0.66 7.00 571.93

Coefficients:

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

ejecuciones\_6Meses 0.03642 0.01937 1.881 0.0601 .

---

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

Residual standard error: 75.08 on 5978 degrees of freedom

Multiple R-squared(full model): 0.9533 Adjusted R-squared: 0.9511

Multiple R-squared(proj model): 0.0005912 Adjusted R-squared: -0.04622

F-statistic(full model): 436 on 280 and 5978 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.536 on 1 and 5978 DF, p-value: 0.06008

\*\*\* 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

-472.24 -4.82 0.03 4.27 641.11

Coefficients:

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

ejecuciones\_6Meses 0.01106 0.01198 0.923 0.356

Residual standard error: 46.46 on 5978 degrees of freedom

Multiple R-squared(full model): 0.9082 Adjusted R-squared: 0.9039

Multiple R-squared(proj model): 0.0001425 Adjusted R-squared: -0.04669

F-statistic(full model):211.3 on 280 and 5978 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.8519 on 1 and 5978 DF, p-value: 0.3561

\*\*\* 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

-370.01 -3.79 -0.05 3.36 483.78

Coefficients:

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

ejecuciones\_6Meses -0.004193 0.008727 -0.48 0.631

Residual standard error: 33.83 on 5978 degrees of freedom

Multiple R-squared(full model): 0.8697 Adjusted R-squared: 0.8636

Multiple R-squared(proj model): 3.86e-05 Adjusted R-squared: -0.0468

F-statistic(full model):142.5 on 280 and 5978 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2308 on 1 and 5978 DF, p-value: 0.631

\*\*\* 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

-102.23 -1.87 -0.12 2.01 438.37

Coefficients:

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

ejecuciones\_6Meses 0.015254 0.004347 3.509 0.000453 \*\*\*

---

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

Residual standard error: 16.85 on 5978 degrees of freedom

Multiple R-squared(full model): 0.9447 Adjusted R-squared: 0.9421

Multiple R-squared(proj model): 0.002055 Adjusted R-squared: -0.04469

F-statistic(full model):364.8 on 280 and 5978 DF, p-value: < 2.2e-16

F-statistic(proj model): 12.31 on 1 and 5978 DF, p-value: 0.0004532

\*\*\* 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

-25656 -660 112 392 117551

Coefficients:

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

ejecuciones\_6Meses 2.3516 0.9275 2.535 0.0113 \*

---

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

Residual standard error: 3596 on 5978 degrees of freedom

Multiple R-squared(full model): 0.8627 Adjusted R-squared: 0.8563

Multiple R-squared(proj model): 0.001074 Adjusted R-squared: -0.04571

F-statistic(full model):134.1 on 280 and 5978 DF, p-value: < 2.2e-16

F-statistic(proj model): 6.428 on 1 and 5978 DF, p-value: 0.01126

\*\*\* 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

-13023 -213 7 143 37855

Coefficients:

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

ejecuciones\_6Meses 0.3600 0.3487 1.032 0.302

Residual standard error: 1352 on 5978 degrees of freedom

Multiple R-squared(full model): 0.8369 Adjusted R-squared: 0.8292

Multiple R-squared(proj model): 0.0001782 Adjusted R-squared: -0.04665

F-statistic(full model):109.5 on 280 and 5978 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.066 on 1 and 5978 DF, p-value: 0.302

\*\*\* 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

-10101 -318 75 195 77459

Coefficients:

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

ejecuciones\_6Meses 1.0469 0.5107 2.05 0.0404 \*

---

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

Residual standard error: 1980 on 5978 degrees of freedom

Multiple R-squared(full model): 0.809 Adjusted R-squared: 0.8001

Multiple R-squared(proj model): 0.0007023 Adjusted R-squared: -0.0461

F-statistic(full model):90.45 on 280 and 5978 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.202 on 1 and 5978 DF, p-value: 0.04043

\*\*\* 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

-42190 -1653 -219 1781 69076

Coefficients:

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

ejecuciones\_6Meses -6.291 1.564 -4.023 5.84e-05 \*\*\*

---

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

Residual standard error: 5904 on 5005 degrees of freedom

(1003 observations deleted due to missingness)

Multiple R-squared(full model): 0.9647 Adjusted R-squared: 0.963

Multiple R-squared(proj model): 0.003223 Adjusted R-squared: -0.04657

F-statistic(full model):547.8 on 250 and 5005 DF, p-value: < 2.2e-16

F-statistic(proj model): 16.18 on 1 and 5005 DF, p-value: 5.841e-05

\*\*\* 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

-518920 -14603 -617 13347 738408

Coefficients:

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

ejecuciones\_6Meses -38.62 14.96 -2.582 0.00986 \*\*

---

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

Residual standard error: 56460 on 5005 degrees of freedom

(1003 observations deleted due to missingness)

Multiple R-squared(full model): 0.9463 Adjusted R-squared: 0.9436

Multiple R-squared(proj model): 0.00133 Adjusted R-squared: -0.04855

F-statistic(full model):352.8 on 250 and 5005 DF, p-value: < 2.2e-16

F-statistic(proj model): 6.665 on 1 and 5005 DF, p-value: 0.00986

\*\*\* 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

-59888 -1824 -173 1736 124012

Coefficients:

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

ejecuciones\_6Meses -6.545 1.886 -3.47 0.000525 \*\*\*

---

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

Residual standard error: 7119 on 5005 degrees of freedom

(1003 observations deleted due to missingness)

Multiple R-squared(full model): 0.9495 Adjusted R-squared: 0.947

Multiple R-squared(proj model): 0.0024 Adjusted R-squared: -0.04743

F-statistic(full model):376.7 on 250 and 5005 DF, p-value: < 2.2e-16

F-statistic(proj model): 12.04 on 1 and 5005 DF, p-value: 0.0005246

\*\*\* 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

-876171 -15664 -145 15067 2597973

Coefficients:

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

ejecuciones\_6Meses -42.61 23.83 -1.788 0.0738 .

---

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

Residual standard error: 89970 on 5005 degrees of freedom

(1003 observations deleted due to missingness)

Multiple R-squared(full model): 0.8748 Adjusted R-squared: 0.8686

Multiple R-squared(proj model): 0.0006383 Adjusted R-squared: -0.04928

F-statistic(full model):139.9 on 250 and 5005 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.197 on 1 and 5005 DF, p-value: 0.07385

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

>

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

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

> print(datosTotales12)

[1] 5506

> print(datosProduccion12)

[1] 4628

> summary(regB1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-2174.41 -13.69 0.62 13.39 2725.40

Coefficients:

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

ejecuciones\_12Meses 0.003448 0.035453 0.097 0.923

Residual standard error: 221.2 on 5230 degrees of freedom

Multiple R-squared(full model): 0.9104 Adjusted R-squared: 0.9057

Multiple R-squared(proj model): 1.809e-06 Adjusted R-squared: -0.05258

F-statistic(full model):193.3 on 275 and 5230 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.009461 on 1 and 5230 DF, p-value: 0.9225

\*\*\* 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

-1690.58 -13.76 1.20 11.48 2174.08

Coefficients:

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

ejecuciones\_12Meses -0.01796 0.02629 -0.683 0.495

Residual standard error: 164 on 5230 degrees of freedom

Multiple R-squared(full model): 0.8659 Adjusted R-squared: 0.8589

Multiple R-squared(proj model): 8.922e-05 Adjusted R-squared: -0.05249

F-statistic(full model):122.8 on 275 and 5230 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.4667 on 1 and 5230 DF, p-value: 0.4946

\*\*\* 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

-488.15 -5.67 -0.57 5.88 589.57

Coefficients:

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

ejecuciones\_12Meses 0.02141 0.01166 1.836 0.0665 .

---

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

Residual standard error: 72.77 on 5230 degrees of freedom

Multiple R-squared(full model): 0.9567 Adjusted R-squared: 0.9544

Multiple R-squared(proj model): 0.0006439 Adjusted R-squared: -0.0519

F-statistic(full model):420.4 on 275 and 5230 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.37 on 1 and 5230 DF, p-value: 0.06646

\*\*\* 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

-426.93 -4.32 0.08 3.97 593.11

Coefficients:

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

ejecuciones\_12Meses 0.007366 0.007310 1.008 0.314

Residual standard error: 45.61 on 5230 degrees of freedom

Multiple R-squared(full model): 0.9102 Adjusted R-squared: 0.9055

Multiple R-squared(proj model): 0.0001941 Adjusted R-squared: -0.05238

F-statistic(full model):192.8 on 275 and 5230 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.015 on 1 and 5230 DF, p-value: 0.3137

\*\*\* 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

-330.16 -3.46 0.03 3.09 473.78

Coefficients:

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

ejecuciones\_12Meses -0.000476 0.005398 -0.088 0.93

Residual standard error: 33.68 on 5230 degrees of freedom

Multiple R-squared(full model): 0.867 Adjusted R-squared: 0.86

Multiple R-squared(proj model): 1.486e-06 Adjusted R-squared: -0.05258

F-statistic(full model):123.9 on 275 and 5230 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.007774 on 1 and 5230 DF, p-value: 0.9297

\*\*\* 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

-100.304 -1.771 -0.139 1.827 138.798

Coefficients:

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

ejecuciones\_12Meses 0.007842 0.002456 3.193 0.00142 \*\*

---

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

Residual standard error: 15.32 on 5230 degrees of freedom

Multiple R-squared(full model): 0.9543 Adjusted R-squared: 0.9519

Multiple R-squared(proj model): 0.001946 Adjusted R-squared: -0.05053

F-statistic(full model):397.4 on 275 and 5230 DF, p-value: < 2.2e-16

F-statistic(proj model): 10.2 on 1 and 5230 DF, p-value: 0.001415

\*\*\* 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

-23205 -531 94 339 121186

Coefficients:

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

ejecuciones\_12Meses 1.2839 0.5489 2.339 0.0194 \*

---

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

Residual standard error: 3425 on 5230 degrees of freedom

Multiple R-squared(full model): 0.8736 Adjusted R-squared: 0.867

Multiple R-squared(proj model): 0.001045 Adjusted R-squared: -0.05148

F-statistic(full model):131.4 on 275 and 5230 DF, p-value: < 2.2e-16

F-statistic(proj model): 5.47 on 1 and 5230 DF, p-value: 0.01938

\*\*\* 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

-11585 -185 8 127 39288

Coefficients:

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

ejecuciones\_12Meses 0.09114 0.20858 0.437 0.662

Residual standard error: 1301 on 5230 degrees of freedom

Multiple R-squared(full model): 0.8438 Adjusted R-squared: 0.8356

Multiple R-squared(proj model): 3.65e-05 Adjusted R-squared: -0.05254

F-statistic(full model):102.8 on 275 and 5230 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1909 on 1 and 5230 DF, p-value: 0.6622

\*\*\* 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

-8971 -239 61 154 79137

Coefficients:

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

ejecuciones\_12Meses 0.5339 0.2904 1.838 0.0661 .

---

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

Residual standard error: 1812 on 5230 degrees of freedom

Multiple R-squared(full model): 0.8342 Adjusted R-squared: 0.8255

Multiple R-squared(proj model): 0.0006458 Adjusted R-squared: -0.0519

F-statistic(full model):95.68 on 275 and 5230 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.38 on 1 and 5230 DF, p-value: 0.06606

\*\*\* 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

-45446 -1647 -209 1793 65829

Coefficients:

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

ejecuciones\_12Meses -1.2828 0.9849 -1.303 0.193

Residual standard error: 6013 on 4382 degrees of freedom

(878 observations deleted due to missingness)

Multiple R-squared(full model): 0.9641 Adjusted R-squared: 0.9621

Multiple R-squared(proj model): 0.000387 Adjusted R-squared: -0.0555

F-statistic(full model):480.3 on 245 and 4382 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.697 on 1 and 4382 DF, p-value: 0.1928

\*\*\* 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

-524078 -14544 -841 13629 733192

Coefficients:

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

ejecuciones\_12Meses -10.92 9.34 -1.17 0.242

Residual standard error: 57030 on 4382 degrees of freedom

(878 observations deleted due to missingness)

Multiple R-squared(full model): 0.9473 Adjusted R-squared: 0.9444

Multiple R-squared(proj model): 0.0003121 Adjusted R-squared: -0.05558

F-statistic(full model):321.5 on 245 and 4382 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.368 on 1 and 4382 DF, p-value: 0.2422

\*\*\* 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

-58716 -1890 -148 1747 125253

Coefficients:

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

ejecuciones\_12Meses -1.411 1.208 -1.168 0.243

Residual standard error: 7377 on 4382 degrees of freedom

(878 observations deleted due to missingness)

Multiple R-squared(full model): 0.9469 Adjusted R-squared: 0.9439

Multiple R-squared(proj model): 0.0003111 Adjusted R-squared: -0.05558

F-statistic(full model):318.9 on 245 and 4382 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.364 on 1 and 4382 DF, p-value: 0.2429

\*\*\* 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

-884444 -16428 -477 15770 2587079

Coefficients:

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

ejecuciones\_12Meses -12.42 15.48 -0.802 0.422

Residual standard error: 94530 on 4382 degrees of freedom

(878 observations deleted due to missingness)

Multiple R-squared(full model): 0.8679 Adjusted R-squared: 0.8605

Multiple R-squared(proj model): 0.0001468 Adjusted R-squared: -0.05576

F-statistic(full model):117.5 on 245 and 4382 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.6436 on 1 and 4382 DF, p-value: 0.4225

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

>

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

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

> print(datosTotales24)

[1] 3737

> print(datosProduccion24)

[1] 3149

> summary(regC1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-1509.75 -9.93 -0.29 8.32 2469.06

Coefficients:

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

ejecuciones\_24Meses 0.01765 0.03181 0.555 0.579

Residual standard error: 212.6 on 3481 degrees of freedom

Multiple R-squared(full model): 0.9143 Adjusted R-squared: 0.9081

Multiple R-squared(proj model): 8.844e-05 Adjusted R-squared: -0.07316

F-statistic(full model):145.7 on 255 and 3481 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3079 on 1 and 3481 DF, p-value: 0.579

\*\*\* 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

-1131.32 -8.19 -0.31 7.13 1979.60

Coefficients:

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

ejecuciones\_24Meses -0.0004376 0.0226666 -0.019 0.985

Residual standard error: 151.5 on 3481 degrees of freedom

Multiple R-squared(full model): 0.8731 Adjusted R-squared: 0.8638

Multiple R-squared(proj model): 1.071e-07 Adjusted R-squared: -0.07325

F-statistic(full model):93.95 on 255 and 3481 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.0003727 on 1 and 3481 DF, p-value: 0.9846

\*\*\* 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

-608.49 -3.49 -0.26 2.86 493.91

Coefficients:

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

ejecuciones\_24Meses 0.01809 0.01047 1.728 0.0841 .

---

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

Residual standard error: 69.95 on 3481 degrees of freedom

Multiple R-squared(full model): 0.9615 Adjusted R-squared: 0.9587

Multiple R-squared(proj model): 0.000857 Adjusted R-squared: -0.07233

F-statistic(full model): 341 on 255 and 3481 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.986 on 1 and 3481 DF, p-value: 0.08408

\*\*\* 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

-296.83 -3.36 -0.08 3.11 541.32

Coefficients:

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

ejecuciones\_24Meses 0.003884 0.006523 0.595 0.552

Residual standard error: 43.59 on 3481 degrees of freedom

Multiple R-squared(full model): 0.9149 Adjusted R-squared: 0.9086

Multiple R-squared(proj model): 0.0001018 Adjusted R-squared: -0.07315

F-statistic(full model):146.7 on 255 and 3481 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3545 on 1 and 3481 DF, p-value: 0.5516

\*\*\* 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

-221.18 -2.65 -0.02 2.25 434.59

Coefficients:

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

ejecuciones\_24Meses -0.0001967 0.0046313 -0.042 0.966

Residual standard error: 30.95 on 3481 degrees of freedom

Multiple R-squared(full model): 0.8752 Adjusted R-squared: 0.8661

Multiple R-squared(proj model): 5.182e-07 Adjusted R-squared: -0.07325

F-statistic(full model):95.74 on 255 and 3481 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.001804 on 1 and 3481 DF, p-value: 0.9661

\*\*\* 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

-124.664 -1.362 -0.126 1.242 106.727

Coefficients:

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

ejecuciones\_24Meses 0.004080 0.002194 1.86 0.063 .

---

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

Residual standard error: 14.66 on 3481 degrees of freedom

Multiple R-squared(full model): 0.9597 Adjusted R-squared: 0.9567

Multiple R-squared(proj model): 0.0009928 Adjusted R-squared: -0.07219

F-statistic(full model):325.1 on 255 and 3481 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.459 on 1 and 3481 DF, p-value: 0.06297

\*\*\* 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

-18655.4 -306.8 49.0 265.9 30213.5

Coefficients:

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

ejecuciones\_24Meses -0.1953 0.3923 -0.498 0.619

Residual standard error: 2622 on 3481 degrees of freedom

Multiple R-squared(full model): 0.9208 Adjusted R-squared: 0.915

Multiple R-squared(proj model): 7.117e-05 Adjusted R-squared: -0.07318

F-statistic(full model):158.8 on 255 and 3481 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2478 on 1 and 3481 DF, p-value: 0.6187

\*\*\* 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

-6579.5 -146.2 11.1 95.7 15468.6

Coefficients:

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

ejecuciones\_24Meses -0.1319 0.1521 -0.867 0.386

Residual standard error: 1017 on 3481 degrees of freedom

Multiple R-squared(full model): 0.888 Adjusted R-squared: 0.8798

Multiple R-squared(proj model): 0.0002158 Adjusted R-squared: -0.07302

F-statistic(full model):108.3 on 255 and 3481 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.7515 on 1 and 3481 DF, p-value: 0.3861

\*\*\* 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

-7182.9 -145.4 37.4 114.3 18050.1

Coefficients:

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

ejecuciones\_24Meses -0.02227 0.17532 -0.127 0.899

Residual standard error: 1172 on 3481 degrees of freedom

Multiple R-squared(full model): 0.9226 Adjusted R-squared: 0.9169

Multiple R-squared(proj model): 4.636e-06 Adjusted R-squared: -0.07325

F-statistic(full model):162.6 on 255 and 3481 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.01614 on 1 and 3481 DF, p-value: 0.8989

\*\*\* 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

-43616 -1663 -121 1764 51702

Coefficients:

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

ejecuciones\_24Meses 0.5613 0.9096 0.617 0.537

Residual standard error: 5952 on 2919 degrees of freedom

(588 observations deleted due to missingness)

Multiple R-squared(full model): 0.9671 Adjusted R-squared: 0.9645

Multiple R-squared(proj model): 0.0001305 Adjusted R-squared: -0.07831

F-statistic(full model):374.9 on 229 and 2919 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3808 on 1 and 2919 DF, p-value: 0.5372

\*\*\* 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

-559119 -13012 -738 12702 697860

Coefficients:

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

ejecuciones\_24Meses -5.643 8.959 -0.63 0.529

Residual standard error: 58630 on 2919 degrees of freedom

(588 observations deleted due to missingness)

Multiple R-squared(full model): 0.9506 Adjusted R-squared: 0.9467

Multiple R-squared(proj model): 0.0001359 Adjusted R-squared: -0.0783

F-statistic(full model):245.1 on 229 and 2919 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3967 on 1 and 2919 DF, p-value: 0.5289

\*\*\* 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

-59556 -1794 -134 1566 124522

Coefficients:

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

ejecuciones\_24Meses 0.517 1.203 0.43 0.668

Residual standard error: 7875 on 2919 degrees of freedom

(588 observations deleted due to missingness)

Multiple R-squared(full model): 0.944 Adjusted R-squared: 0.9396

Multiple R-squared(proj model): 6.323e-05 Adjusted R-squared: -0.07838

F-statistic(full model): 215 on 229 and 2919 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1846 on 1 and 2919 DF, p-value: 0.6675

\*\*\* 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

-943824 -14534 -865 12740 2535534

Coefficients:

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

ejecuciones\_24Meses -6.172 16.408 -0.376 0.707

Residual standard error: 107400 on 2919 degrees of freedom

(588 observations deleted due to missingness)

Multiple R-squared(full model): 0.8549 Adjusted R-squared: 0.8435

Multiple R-squared(proj model): 4.847e-05 Adjusted R-squared: -0.0784

F-statistic(full model):75.12 on 229 and 2919 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1415 on 1 and 2919 DF, p-value: 0.7068

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