> print(subsectoresList[i])

[1] Fabricacion de accesorios, aparatos electricos y equipo de generacion de energia electrica

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

> print(datosTotales6)

[1] 6033

> print(datosProduccion6)

[1] 5770

> summary(regA1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-718.99 -20.59 1.08 22.79 775.27

Coefficients:

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

ejecuciones\_6Meses -0.01067 0.06713 -0.159 0.874

Residual standard error: 91.56 on 5791 degrees of freedom

Multiple R-squared(full model): 0.9741 Adjusted R-squared: 0.973

Multiple R-squared(proj model): 4.362e-06 Adjusted R-squared: -0.04161

F-statistic(full model):904.1 on 241 and 5791 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.02526 on 1 and 5791 DF, p-value: 0.8737

\*\*\* 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

-659.13 -17.72 -0.83 20.02 759.91

Coefficients:

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

ejecuciones\_6Meses 0.02651 0.05647 0.47 0.639

Residual standard error: 77.01 on 5791 degrees of freedom

Multiple R-squared(full model): 0.9742 Adjusted R-squared: 0.9731

Multiple R-squared(proj model): 3.807e-05 Adjusted R-squared: -0.04158

F-statistic(full model):907.9 on 241 and 5791 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2205 on 1 and 5791 DF, p-value: 0.6387

\*\*\* 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

-374.72 -4.69 0.24 4.41 323.99

Coefficients:

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

ejecuciones\_6Meses -0.03718 0.02135 -1.742 0.0816 .

---

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

Residual standard error: 29.11 on 5791 degrees of freedom

Multiple R-squared(full model): 0.948 Adjusted R-squared: 0.9458

Multiple R-squared(proj model): 0.0005236 Adjusted R-squared: -0.04107

F-statistic(full model):438.2 on 241 and 5791 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.034 on 1 and 5791 DF, p-value: 0.08159

\*\*\* 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

-232.381 -6.026 0.129 6.082 251.241

Coefficients:

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

ejecuciones\_6Meses 0.003962 0.017147 0.231 0.817

Residual standard error: 23.39 on 5791 degrees of freedom

Multiple R-squared(full model): 0.9552 Adjusted R-squared: 0.9533

Multiple R-squared(proj model): 9.219e-06 Adjusted R-squared: -0.04161

F-statistic(full model):511.9 on 241 and 5791 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.05338 on 1 and 5791 DF, p-value: 0.8173

\*\*\* 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

-192.752 -4.995 0.052 5.184 231.397

Coefficients:

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

ejecuciones\_6Meses 0.01179 0.01446 0.815 0.415

Residual standard error: 19.72 on 5791 degrees of freedom

Multiple R-squared(full model): 0.9553 Adjusted R-squared: 0.9535

Multiple R-squared(proj model): 0.0001148 Adjusted R-squared: -0.0415

F-statistic(full model): 514 on 241 and 5791 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.6647 on 1 and 5791 DF, p-value: 0.4149

\*\*\* 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

-76.926 -1.276 0.040 1.156 88.530

Coefficients:

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

ejecuciones\_6Meses -0.007827 0.004845 -1.615 0.106

Residual standard error: 6.608 on 5791 degrees of freedom

Multiple R-squared(full model): 0.9276 Adjusted R-squared: 0.9246

Multiple R-squared(proj model): 0.0004504 Adjusted R-squared: -0.04115

F-statistic(full model):307.7 on 241 and 5791 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.609 on 1 and 5791 DF, p-value: 0.1063

\*\*\* 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

-20939 -284 58 249 31891

Coefficients:

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

ejecuciones\_6Meses -0.2751 1.6911 -0.163 0.871

Residual standard error: 2306 on 5791 degrees of freedom

Multiple R-squared(full model): 0.8618 Adjusted R-squared: 0.8561

Multiple R-squared(proj model): 4.571e-06 Adjusted R-squared: -0.04161

F-statistic(full model):149.9 on 241 and 5791 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.02647 on 1 and 5791 DF, p-value: 0.8708

\*\*\* 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

-5165.9 -118.9 13.8 114.9 7179.4

Coefficients:

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

ejecuciones\_6Meses 0.3047 0.5334 0.571 0.568

Residual standard error: 727.5 on 5791 degrees of freedom

Multiple R-squared(full model): 0.866 Adjusted R-squared: 0.8604

Multiple R-squared(proj model): 5.636e-05 Adjusted R-squared: -0.04156

F-statistic(full model):155.3 on 241 and 5791 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3264 on 1 and 5791 DF, p-value: 0.5678

\*\*\* 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

-13203.6 -156.9 16.4 154.1 25608.8

Coefficients:

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

ejecuciones\_6Meses 0.3390 0.9434 0.359 0.719

Residual standard error: 1287 on 5791 degrees of freedom

Multiple R-squared(full model): 0.8093 Adjusted R-squared: 0.8014

Multiple R-squared(proj model): 2.23e-05 Adjusted R-squared: -0.04159

F-statistic(full model): 102 on 241 and 5791 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1291 on 1 and 5791 DF, p-value: 0.7193

\*\*\* 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

-648650 -5297 -79 4747 599644

Coefficients:

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

ejecuciones\_6Meses 99.85 42.40 2.355 0.0186 \*

---

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

Residual standard error: 46350 on 5535 degrees of freedom

(263 observations deleted due to missingness)

Multiple R-squared(full model): 0.9631 Adjusted R-squared: 0.9616

Multiple R-squared(proj model): 0.001001 Adjusted R-squared: -0.04123

F-statistic(full model):617.6 on 234 and 5535 DF, p-value: < 2.2e-16

F-statistic(proj model): 5.547 on 1 and 5535 DF, p-value: 0.01855

\*\*\* 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

-357903 -8065 734 6675 402026

Coefficients:

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

ejecuciones\_6Meses -13.89 30.25 -0.459 0.646

Residual standard error: 33070 on 5535 degrees of freedom

(263 observations deleted due to missingness)

Multiple R-squared(full model): 0.9349 Adjusted R-squared: 0.9322

Multiple R-squared(proj model): 3.806e-05 Adjusted R-squared: -0.04224

F-statistic(full model):339.8 on 234 and 5535 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2107 on 1 and 5535 DF, p-value: 0.6462

\*\*\* 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

-648616 -6122 368 4969 599589

Coefficients:

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

ejecuciones\_6Meses 226.34 42.52 5.323 1.06e-07 \*\*\*

---

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

Residual standard error: 46490 on 5535 degrees of freedom

(263 observations deleted due to missingness)

Multiple R-squared(full model): 0.9631 Adjusted R-squared: 0.9615

Multiple R-squared(proj model): 0.005092 Adjusted R-squared: -0.03697

F-statistic(full model):616.7 on 234 and 5535 DF, p-value: < 2.2e-16

F-statistic(proj model): 28.33 on 1 and 5535 DF, p-value: 1.063e-07

\*\*\* 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

-358120 -7588 577 6551 404116

Coefficients:

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

ejecuciones\_6Meses 40.71 29.27 1.391 0.164

Residual standard error: 32000 on 5535 degrees of freedom

(263 observations deleted due to missingness)

Multiple R-squared(full model): 0.9377 Adjusted R-squared: 0.935

Multiple R-squared(proj model): 0.0003493 Adjusted R-squared: -0.04191

F-statistic(full model):355.9 on 234 and 5535 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.934 on 1 and 5535 DF, p-value: 0.1644

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

>

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

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

> print(datosTotales12)

[1] 5298

> print(datosProduccion12)

[1] 5060

> summary(regB1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-667.64 -18.92 0.89 20.40 766.01

Coefficients:

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

ejecuciones\_12Meses -0.11102 0.05219 -2.127 0.0334 \*

---

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

Residual standard error: 90.98 on 5061 degrees of freedom

Multiple R-squared(full model): 0.9743 Adjusted R-squared: 0.9731

Multiple R-squared(proj model): 0.0008933 Adjusted R-squared: -0.0457

F-statistic(full model): 812 on 236 and 5061 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.525 on 1 and 5061 DF, p-value: 0.03345

\*\*\* 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

-609.72 -16.85 -0.40 18.35 751.49

Coefficients:

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

ejecuciones\_12Meses -0.10135 0.04374 -2.317 0.0205 \*

---

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

Residual standard error: 76.25 on 5061 degrees of freedom

Multiple R-squared(full model): 0.9745 Adjusted R-squared: 0.9734

Multiple R-squared(proj model): 0.00106 Adjusted R-squared: -0.04552

F-statistic(full model):820.9 on 236 and 5061 DF, p-value: < 2.2e-16

F-statistic(proj model): 5.37 on 1 and 5061 DF, p-value: 0.02053

\*\*\* 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

-360.45 -4.58 0.40 4.04 338.49

Coefficients:

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

ejecuciones\_12Meses -0.009667 0.016545 -0.584 0.559

Residual standard error: 28.84 on 5061 degrees of freedom

Multiple R-squared(full model): 0.9489 Adjusted R-squared: 0.9465

Multiple R-squared(proj model): 6.744e-05 Adjusted R-squared: -0.04656

F-statistic(full model):398.3 on 236 and 5061 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3414 on 1 and 5061 DF, p-value: 0.5591

\*\*\* 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

-213.233 -5.521 -0.071 5.590 229.513

Coefficients:

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

ejecuciones\_12Meses -0.02668 0.01284 -2.078 0.0377 \*

---

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

Residual standard error: 22.38 on 5061 degrees of freedom

Multiple R-squared(full model): 0.9579 Adjusted R-squared: 0.9559

Multiple R-squared(proj model): 0.0008527 Adjusted R-squared: -0.04574

F-statistic(full model):487.7 on 236 and 5061 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.319 on 1 and 5061 DF, p-value: 0.03773

\*\*\* 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

-182.531 -4.584 -0.031 4.733 192.023

Coefficients:

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

ejecuciones\_12Meses -0.02161 0.01074 -2.011 0.0444 \*

---

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

Residual standard error: 18.73 on 5061 degrees of freedom

Multiple R-squared(full model): 0.9586 Adjusted R-squared: 0.9567

Multiple R-squared(proj model): 0.0007985 Adjusted R-squared: -0.0458

F-statistic(full model): 497 on 236 and 5061 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.044 on 1 and 5061 DF, p-value: 0.04437

\*\*\* 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

-73.873 -1.198 0.050 1.075 92.888

Coefficients:

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

ejecuciones\_12Meses -0.005077 0.003702 -1.371 0.17

Residual standard error: 6.454 on 5061 degrees of freedom

Multiple R-squared(full model): 0.9298 Adjusted R-squared: 0.9265

Multiple R-squared(proj model): 0.0003714 Adjusted R-squared: -0.04624

F-statistic(full model): 284 on 236 and 5061 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.881 on 1 and 5061 DF, p-value: 0.1703

\*\*\* 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

-20673.3 -293.6 63.9 272.6 30043.8

Coefficients:

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

ejecuciones\_12Meses -0.3947 1.3331 -0.296 0.767

Residual standard error: 2324 on 5061 degrees of freedom

Multiple R-squared(full model): 0.864 Adjusted R-squared: 0.8576

Multiple R-squared(proj model): 1.732e-05 Adjusted R-squared: -0.04661

F-statistic(full model):136.2 on 236 and 5061 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.08768 on 1 and 5061 DF, p-value: 0.7672

\*\*\* 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

-4976.9 -120.9 19.0 117.0 7682.7

Coefficients:

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

ejecuciones\_12Meses -0.2515 0.4151 -0.606 0.545

Residual standard error: 723.6 on 5061 degrees of freedom

Multiple R-squared(full model): 0.8674 Adjusted R-squared: 0.8612

Multiple R-squared(proj model): 7.255e-05 Adjusted R-squared: -0.04656

F-statistic(full model):140.3 on 236 and 5061 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3672 on 1 and 5061 DF, p-value: 0.5446

\*\*\* 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

-14680.6 -164.4 19.5 148.6 24122.9

Coefficients:

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

ejecuciones\_12Meses 0.6121 0.7445 0.822 0.411

Residual standard error: 1298 on 5061 degrees of freedom

Multiple R-squared(full model): 0.8204 Adjusted R-squared: 0.812

Multiple R-squared(proj model): 0.0001335 Adjusted R-squared: -0.04649

F-statistic(full model):97.95 on 236 and 5061 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.6758 on 1 and 5061 DF, p-value: 0.4111

\*\*\* 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

-610477 -4495 -490 4063 691535

Coefficients:

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

ejecuciones\_12Meses -17.52 31.50 -0.556 0.578

Residual standard error: 44330 on 4830 degrees of freedom

(238 observations deleted due to missingness)

Multiple R-squared(full model): 0.9648 Adjusted R-squared: 0.9632

Multiple R-squared(proj model): 6.402e-05 Adjusted R-squared: -0.04734

F-statistic(full model):578.5 on 229 and 4830 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3092 on 1 and 4830 DF, p-value: 0.5782

\*\*\* 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

-353192 -8704 705 7159 358598

Coefficients:

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

ejecuciones\_12Meses -23.69 22.43 -1.056 0.291

Residual standard error: 31560 on 4830 degrees of freedom

(238 observations deleted due to missingness)

Multiple R-squared(full model): 0.9427 Adjusted R-squared: 0.94

Multiple R-squared(proj model): 0.0002309 Adjusted R-squared: -0.04717

F-statistic(full model): 347 on 229 and 4830 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.116 on 1 and 4830 DF, p-value: 0.2909

\*\*\* 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

-611716 -4556 230 4215 691207

Coefficients:

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

ejecuciones\_12Meses 111.31 31.48 3.536 0.000411 \*\*\*

---

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

Residual standard error: 44310 on 4830 degrees of freedom

(238 observations deleted due to missingness)

Multiple R-squared(full model): 0.965 Adjusted R-squared: 0.9633

Multiple R-squared(proj model): 0.002582 Adjusted R-squared: -0.04471

F-statistic(full model): 581 on 229 and 4830 DF, p-value: < 2.2e-16

F-statistic(proj model): 12.5 on 1 and 4830 DF, p-value: 0.0004105

\*\*\* 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

-353208 -8208 708 7046 376233

Coefficients:

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

ejecuciones\_12Meses 18.69 21.61 0.865 0.387

Residual standard error: 30420 on 4830 degrees of freedom

(238 observations deleted due to missingness)

Multiple R-squared(full model): 0.9455 Adjusted R-squared: 0.943

Multiple R-squared(proj model): 0.0001547 Adjusted R-squared: -0.04725

F-statistic(full model):366.2 on 229 and 4830 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.7474 on 1 and 4830 DF, p-value: 0.3873

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

>

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

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

> print(datosTotales24)

[1] 3564

> print(datosProduccion24)

[1] 3396

> summary(regC1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-600.22 -14.04 0.38 13.30 689.33

Coefficients:

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

ejecuciones\_24Meses -0.05126 0.06441 -0.796 0.426

Residual standard error: 86.42 on 3343 degrees of freedom

Multiple R-squared(full model): 0.9769 Adjusted R-squared: 0.9754

Multiple R-squared(proj model): 0.0001894 Adjusted R-squared: -0.06561

F-statistic(full model):642.4 on 220 and 3343 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.6333 on 1 and 3343 DF, p-value: 0.4262

\*\*\* 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

-479.28 -13.71 0.58 12.71 676.99

Coefficients:

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

ejecuciones\_24Meses -0.03182 0.05409 -0.588 0.556

Residual standard error: 72.57 on 3343 degrees of freedom

Multiple R-squared(full model): 0.9771 Adjusted R-squared: 0.9756

Multiple R-squared(proj model): 0.0001035 Adjusted R-squared: -0.0657

F-statistic(full model):648.5 on 220 and 3343 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.346 on 1 and 3343 DF, p-value: 0.5564

\*\*\* 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

-298.771 -2.959 -0.036 2.801 191.626

Coefficients:

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

ejecuciones\_24Meses -0.01944 0.02078 -0.935 0.35

Residual standard error: 27.89 on 3343 degrees of freedom

Multiple R-squared(full model): 0.9512 Adjusted R-squared: 0.948

Multiple R-squared(proj model): 0.0002616 Adjusted R-squared: -0.06553

F-statistic(full model):296.2 on 220 and 3343 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.8748 on 1 and 3343 DF, p-value: 0.3497

\*\*\* 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

-243.909 -4.630 0.053 4.703 182.477

Coefficients:

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

ejecuciones\_24Meses -0.01827 0.01614 -1.132 0.258

Residual standard error: 21.66 on 3343 degrees of freedom

Multiple R-squared(full model): 0.9608 Adjusted R-squared: 0.9582

Multiple R-squared(proj model): 0.0003832 Adjusted R-squared: -0.0654

F-statistic(full model):372.5 on 220 and 3343 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.281 on 1 and 3343 DF, p-value: 0.2577

\*\*\* 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

-200.167 -3.909 0.129 4.017 175.477

Coefficients:

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

ejecuciones\_24Meses -0.01001 0.01357 -0.738 0.461

Residual standard error: 18.2 on 3343 degrees of freedom

Multiple R-squared(full model): 0.9613 Adjusted R-squared: 0.9587

Multiple R-squared(proj model): 0.0001627 Adjusted R-squared: -0.06564

F-statistic(full model):377.1 on 220 and 3343 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.5439 on 1 and 3343 DF, p-value: 0.4609

\*\*\* 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

-60.611 -0.859 -0.009 0.975 44.344

Coefficients:

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

ejecuciones\_24Meses -0.008267 0.004480 -1.845 0.0651 .

---

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

Residual standard error: 6.01 on 3343 degrees of freedom

Multiple R-squared(full model): 0.9377 Adjusted R-squared: 0.9336

Multiple R-squared(proj model): 0.001018 Adjusted R-squared: -0.06472

F-statistic(full model):228.7 on 220 and 3343 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.406 on 1 and 3343 DF, p-value: 0.06506

\*\*\* 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

-21662.2 -322.4 71.5 301.3 27383.3

Coefficients:

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

ejecuciones\_24Meses 1.381 1.736 0.795 0.427

Residual standard error: 2329 on 3343 degrees of freedom

Multiple R-squared(full model): 0.8654 Adjusted R-squared: 0.8565

Multiple R-squared(proj model): 0.0001891 Adjusted R-squared: -0.06561

F-statistic(full model):97.66 on 220 and 3343 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.6323 on 1 and 3343 DF, p-value: 0.4266

\*\*\* 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

-4997.3 -131.6 15.3 111.5 7202.1

Coefficients:

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

ejecuciones\_24Meses -0.01953 0.53965 -0.036 0.971

Residual standard error: 724 on 3343 degrees of freedom

Multiple R-squared(full model): 0.8719 Adjusted R-squared: 0.8635

Multiple R-squared(proj model): 3.917e-07 Adjusted R-squared: -0.06581

F-statistic(full model):103.4 on 220 and 3343 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.001309 on 1 and 3343 DF, p-value: 0.9711

\*\*\* 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

-15830.7 -177.5 21.8 158.1 22922.1

Coefficients:

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

ejecuciones\_24Meses 1.9044 0.9911 1.922 0.0547 .

---

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

Residual standard error: 1330 on 3343 degrees of freedom

Multiple R-squared(full model): 0.8268 Adjusted R-squared: 0.8154

Multiple R-squared(proj model): 0.001103 Adjusted R-squared: -0.06463

F-statistic(full model):72.54 on 220 and 3343 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.692 on 1 and 3343 DF, p-value: 0.05475

\*\*\* 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

-523034 -3591 -707 4523 618307

Coefficients:

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

ejecuciones\_24Meses 287.81 33.78 8.519 <2e-16 \*\*\*

---

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

Residual standard error: 39390 on 3183 degrees of freedom

(168 observations deleted due to missingness)

Multiple R-squared(full model): 0.9698 Adjusted R-squared: 0.9678

Multiple R-squared(proj model): 0.02229 Adjusted R-squared: -0.04283

F-statistic(full model):481.9 on 212 and 3183 DF, p-value: < 2.2e-16

F-statistic(proj model): 72.57 on 1 and 3183 DF, p-value: < 2.2e-16

\*\*\* 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

-280847 -8751 107 8224 291786

Coefficients:

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

ejecuciones\_24Meses 67.87 26.12 2.598 0.00941 \*\*

---

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

Residual standard error: 30450 on 3183 degrees of freedom

(168 observations deleted due to missingness)

Multiple R-squared(full model): 0.9519 Adjusted R-squared: 0.9487

Multiple R-squared(proj model): 0.002117 Adjusted R-squared: -0.06435

F-statistic(full model):297.4 on 212 and 3183 DF, p-value: < 2.2e-16

F-statistic(proj model): 6.752 on 1 and 3183 DF, p-value: 0.009409

\*\*\* 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

-523312 -3236 -411 3254 619124

Coefficients:

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

ejecuciones\_24Meses 202.73 33.69 6.018 1.97e-09 \*\*\*

---

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

Residual standard error: 39280 on 3183 degrees of freedom

(168 observations deleted due to missingness)

Multiple R-squared(full model): 0.97 Adjusted R-squared: 0.968

Multiple R-squared(proj model): 0.01125 Adjusted R-squared: -0.0546

F-statistic(full model):485.3 on 212 and 3183 DF, p-value: < 2.2e-16

F-statistic(proj model): 36.22 on 1 and 3183 DF, p-value: 1.966e-09

\*\*\* 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

-252155 -8494 -186 8160 337662

Coefficients:

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

ejecuciones\_24Meses 10.84 25.55 0.424 0.671

Residual standard error: 29790 on 3183 degrees of freedom

(168 observations deleted due to missingness)

Multiple R-squared(full model): 0.953 Adjusted R-squared: 0.9498

Multiple R-squared(proj model): 5.654e-05 Adjusted R-squared: -0.06654

F-statistic(full model):304.2 on 212 and 3183 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.18 on 1 and 3183 DF, p-value: 0.6714

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