> print(subsectoresList[i])

[1] Fabricacion de prendas de vestir

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

> print(datosTotales6)

[1] 19276

> print(datosProduccion6)

[1] 15523

> summary(regA1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-805.60 -6.83 1.32 6.00 774.00

Coefficients:

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

ejecuciones\_6Meses -0.03475 0.01359 -2.558 0.0105 \*

---

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

Residual standard error: 49.93 on 18647 degrees of freedom

Multiple R-squared(full model): 0.951 Adjusted R-squared: 0.9494

Multiple R-squared(proj model): 0.0003507 Adjusted R-squared: -0.03332

F-statistic(full model):576.3 on 628 and 18647 DF, p-value: < 2.2e-16

F-statistic(proj model): 6.542 on 1 and 18647 DF, p-value: 0.01054

\*\*\* 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

-668.10 -5.79 1.12 5.15 778.42

Coefficients:

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

ejecuciones\_6Meses -0.03557 0.01240 -2.869 0.00412 \*\*

---

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

Residual standard error: 45.55 on 18647 degrees of freedom

Multiple R-squared(full model): 0.9475 Adjusted R-squared: 0.9457

Multiple R-squared(proj model): 0.0004414 Adjusted R-squared: -0.03322

F-statistic(full model):535.7 on 628 and 18647 DF, p-value: < 2.2e-16

F-statistic(proj model): 8.234 on 1 and 18647 DF, p-value: 0.004116

\*\*\* 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

-137.492 -1.551 0.188 1.139 199.703

Coefficients:

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

ejecuciones\_6Meses 0.0008136 0.0026529 0.307 0.759

Residual standard error: 9.749 on 18647 degrees of freedom

Multiple R-squared(full model): 0.9546 Adjusted R-squared: 0.953

Multiple R-squared(proj model): 5.043e-06 Adjusted R-squared: -0.03367

F-statistic(full model):623.7 on 628 and 18647 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.09404 on 1 and 18647 DF, p-value: 0.7591

\*\*\* 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

-173.934 -2.031 0.045 1.871 181.992

Coefficients:

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

ejecuciones\_6Meses -0.003979 0.003247 -1.225 0.22

Residual standard error: 11.93 on 18647 degrees of freedom

Multiple R-squared(full model): 0.9231 Adjusted R-squared: 0.9205

Multiple R-squared(proj model): 8.052e-05 Adjusted R-squared: -0.0336

F-statistic(full model):356.6 on 628 and 18647 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.502 on 1 and 18647 DF, p-value: 0.2204

\*\*\* 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

-170.083 -1.748 0.006 1.654 176.668

Coefficients:

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

ejecuciones\_6Meses -0.004754 0.002962 -1.605 0.109

Residual standard error: 10.88 on 18647 degrees of freedom

Multiple R-squared(full model): 0.918 Adjusted R-squared: 0.9152

Multiple R-squared(proj model): 0.0001381 Adjusted R-squared: -0.03354

F-statistic(full model):332.4 on 628 and 18647 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.576 on 1 and 18647 DF, p-value: 0.1085

\*\*\* 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

-34.162 -0.418 0.014 0.342 194.944

Coefficients:

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

ejecuciones\_6Meses 0.0007742 0.0007765 0.997 0.319

Residual standard error: 2.853 on 18647 degrees of freedom

Multiple R-squared(full model): 0.8985 Adjusted R-squared: 0.8951

Multiple R-squared(proj model): 5.331e-05 Adjusted R-squared: -0.03362

F-statistic(full model):262.9 on 628 and 18647 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.9942 on 1 and 18647 DF, p-value: 0.3187

\*\*\* 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

-3120.7 -57.0 7.3 55.6 8630.7

Coefficients:

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

ejecuciones\_6Meses -0.17254 0.09327 -1.85 0.0643 .

---

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

Residual standard error: 342.7 on 18647 degrees of freedom

Multiple R-squared(full model): 0.9328 Adjusted R-squared: 0.9305

Multiple R-squared(proj model): 0.0001835 Adjusted R-squared: -0.03349

F-statistic(full model):411.9 on 628 and 18647 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.422 on 1 and 18647 DF, p-value: 0.06433

\*\*\* 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

-2545.0 -32.6 5.0 33.7 8086.2

Coefficients:

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

ejecuciones\_6Meses -0.11351 0.06137 -1.85 0.0644 .

---

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

Residual standard error: 225.5 on 18647 degrees of freedom

Multiple R-squared(full model): 0.9199 Adjusted R-squared: 0.9172

Multiple R-squared(proj model): 0.0001834 Adjusted R-squared: -0.03349

F-statistic(full model):340.9 on 628 and 18647 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.421 on 1 and 18647 DF, p-value: 0.06439

\*\*\* 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

-2043.52 -14.89 3.28 12.03 3048.49

Coefficients:

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

ejecuciones\_6Meses -0.007119 0.033184 -0.215 0.83

Residual standard error: 121.9 on 18647 degrees of freedom

Multiple R-squared(full model): 0.906 Adjusted R-squared: 0.9029

Multiple R-squared(proj model): 2.468e-06 Adjusted R-squared: -0.03368

F-statistic(full model):286.3 on 628 and 18647 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.04602 on 1 and 18647 DF, p-value: 0.8301

\*\*\* 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

-933642 -5906 -676 4391 789340

Coefficients:

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

ejecuciones\_6Meses 37.21 42.38 0.878 0.38

Residual standard error: 44460 on 15007 degrees of freedom

(3753 observations deleted due to missingness)

Multiple R-squared(full model): 0.9134 Adjusted R-squared: 0.9104

Multiple R-squared(proj model): 5.138e-05 Adjusted R-squared: -0.03426

F-statistic(full model):307.3 on 515 and 15007 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.7711 on 1 and 15007 DF, p-value: 0.3799

\*\*\* 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

-30378 -854 -60 636 83734

Coefficients:

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

ejecuciones\_6Meses -6.919 3.340 -2.072 0.0383 \*

---

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

Residual standard error: 3504 on 15007 degrees of freedom

(3753 observations deleted due to missingness)

Multiple R-squared(full model): 0.8797 Adjusted R-squared: 0.8756

Multiple R-squared(proj model): 0.0002859 Adjusted R-squared: -0.03402

F-statistic(full model):213.2 on 515 and 15007 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.292 on 1 and 15007 DF, p-value: 0.03831

\*\*\* 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

-934227 -5671 -497 4609 788775

Coefficients:

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

ejecuciones\_6Meses 35.97 42.64 0.844 0.399

Residual standard error: 44740 on 15007 degrees of freedom

(3753 observations deleted due to missingness)

Multiple R-squared(full model): 0.9117 Adjusted R-squared: 0.9087

Multiple R-squared(proj model): 4.742e-05 Adjusted R-squared: -0.03427

F-statistic(full model): 301 on 515 and 15007 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.7117 on 1 and 15007 DF, p-value: 0.3989

\*\*\* 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

-28240 -865 -64 637 85963

Coefficients:

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

ejecuciones\_6Meses -4.919 3.320 -1.482 0.138

Residual standard error: 3483 on 15007 degrees of freedom

(3753 observations deleted due to missingness)

Multiple R-squared(full model): 0.8796 Adjusted R-squared: 0.8755

Multiple R-squared(proj model): 0.0001463 Adjusted R-squared: -0.03417

F-statistic(full model):212.9 on 515 and 15007 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.196 on 1 and 15007 DF, p-value: 0.1384

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

>

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

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

> print(datosTotales12)

[1] 16856

> print(datosProduccion12)

[1] 13538

> summary(regB1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-767.64 -5.52 1.12 5.05 811.50

Coefficients:

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

ejecuciones\_12Meses -0.015335 0.008005 -1.916 0.0554 .

---

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

Residual standard error: 48.3 on 16232 degrees of freedom

Multiple R-squared(full model): 0.9541 Adjusted R-squared: 0.9523

Multiple R-squared(proj model): 0.000226 Adjusted R-squared: -0.03815

F-statistic(full model): 541 on 623 and 16232 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.67 on 1 and 16232 DF, p-value: 0.05543

\*\*\* 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

-646.09 -4.64 0.90 4.28 800.03

Coefficients:

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

ejecuciones\_12Meses -0.015602 0.007278 -2.144 0.0321 \*

---

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

Residual standard error: 43.91 on 16232 degrees of freedom

Multiple R-squared(full model): 0.9511 Adjusted R-squared: 0.9492

Multiple R-squared(proj model): 0.000283 Adjusted R-squared: -0.03809

F-statistic(full model):506.7 on 623 and 16232 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.595 on 1 and 16232 DF, p-value: 0.03207

\*\*\* 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

-121.553 -1.354 0.195 1.003 215.449

Coefficients:

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

ejecuciones\_12Meses 0.000267 0.001539 0.173 0.862

Residual standard error: 9.288 on 16232 degrees of freedom

Multiple R-squared(full model): 0.9579 Adjusted R-squared: 0.9563

Multiple R-squared(proj model): 1.854e-06 Adjusted R-squared: -0.03838

F-statistic(full model):593.2 on 623 and 16232 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.03009 on 1 and 16232 DF, p-value: 0.8623

\*\*\* 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

-169.011 -1.822 -0.066 1.665 190.517

Coefficients:

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

ejecuciones\_12Meses -0.001729 0.001921 -0.9 0.368

Residual standard error: 11.59 on 16232 degrees of freedom

Multiple R-squared(full model): 0.9255 Adjusted R-squared: 0.9227

Multiple R-squared(proj model): 4.988e-05 Adjusted R-squared: -0.03833

F-statistic(full model):323.9 on 623 and 16232 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.8096 on 1 and 16232 DF, p-value: 0.3682

\*\*\* 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

-167.186 -1.563 -0.086 1.501 181.631

Coefficients:

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

ejecuciones\_12Meses -0.001920 0.001753 -1.096 0.273

Residual standard error: 10.57 on 16232 degrees of freedom

Multiple R-squared(full model): 0.9207 Adjusted R-squared: 0.9176

Multiple R-squared(proj model): 7.394e-05 Adjusted R-squared: -0.0383

F-statistic(full model):302.3 on 623 and 16232 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.2 on 1 and 16232 DF, p-value: 0.2733

\*\*\* 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

-30.580 -0.372 -0.007 0.303 100.524

Coefficients:

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

ejecuciones\_12Meses 0.0001914 0.0003943 0.485 0.627

Residual standard error: 2.379 on 16232 degrees of freedom

Multiple R-squared(full model): 0.9241 Adjusted R-squared: 0.9212

Multiple R-squared(proj model): 1.452e-05 Adjusted R-squared: -0.03837

F-statistic(full model):317.4 on 623 and 16232 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2357 on 1 and 16232 DF, p-value: 0.6274

\*\*\* 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

-3115.6 -57.7 8.1 56.5 8693.1

Coefficients:

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

ejecuciones\_12Meses -0.06009 0.05629 -1.068 0.286

Residual standard error: 339.7 on 16232 degrees of freedom

Multiple R-squared(full model): 0.9362 Adjusted R-squared: 0.9338

Multiple R-squared(proj model): 7.02e-05 Adjusted R-squared: -0.03831

F-statistic(full model):382.5 on 623 and 16232 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.14 on 1 and 16232 DF, p-value: 0.2858

\*\*\* 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

-2451.9 -34.0 5.9 34.7 8179.5

Coefficients:

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

ejecuciones\_12Meses -0.03655 0.03756 -0.973 0.331

Residual standard error: 226.6 on 16232 degrees of freedom

Multiple R-squared(full model): 0.9212 Adjusted R-squared: 0.9182

Multiple R-squared(proj model): 5.833e-05 Adjusted R-squared: -0.03832

F-statistic(full model):304.6 on 623 and 16232 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.9468 on 1 and 16232 DF, p-value: 0.3305

\*\*\* 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

-2205.55 -15.06 4.01 12.51 2912.69

Coefficients:

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

ejecuciones\_12Meses -0.002286 0.020049 -0.114 0.909

Residual standard error: 121 on 16232 degrees of freedom

Multiple R-squared(full model): 0.9122 Adjusted R-squared: 0.9089

Multiple R-squared(proj model): 8.009e-07 Adjusted R-squared: -0.03838

F-statistic(full model):270.8 on 623 and 16232 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.013 on 1 and 16232 DF, p-value: 0.9092

\*\*\* 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

-760386 -5158 -556 4175 758345

Coefficients:

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

ejecuciones\_12Meses 23.28 31.73 0.734 0.463

Residual standard error: 43730 on 13027 degrees of freedom

(3318 observations deleted due to missingness)

Multiple R-squared(full model): 0.9163 Adjusted R-squared: 0.913

Multiple R-squared(proj model): 4.133e-05 Adjusted R-squared: -0.03911

F-statistic(full model):279.6 on 510 and 13027 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.5384 on 1 and 13027 DF, p-value: 0.4631

\*\*\* 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

-32066 -872 -64 638 82877

Coefficients:

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

ejecuciones\_12Meses -3.350 2.588 -1.295 0.196

Residual standard error: 3567 on 13027 degrees of freedom

(3318 observations deleted due to missingness)

Multiple R-squared(full model): 0.8806 Adjusted R-squared: 0.8759

Multiple R-squared(proj model): 0.0001286 Adjusted R-squared: -0.03902

F-statistic(full model):188.3 on 510 and 13027 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.676 on 1 and 13027 DF, p-value: 0.1955

\*\*\* 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

-760995 -5338 -669 4183 758615

Coefficients:

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

ejecuciones\_12Meses 22.17 31.98 0.693 0.488

Residual standard error: 44070 on 13027 degrees of freedom

(3318 observations deleted due to missingness)

Multiple R-squared(full model): 0.9145 Adjusted R-squared: 0.9111

Multiple R-squared(proj model): 3.691e-05 Adjusted R-squared: -0.03911

F-statistic(full model):273.2 on 510 and 13027 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.4808 on 1 and 13027 DF, p-value: 0.4881

\*\*\* 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

-29891 -873 -61 637 85534

Coefficients:

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

ejecuciones\_12Meses -2.638 2.569 -1.027 0.305

Residual standard error: 3541 on 13027 degrees of freedom

(3318 observations deleted due to missingness)

Multiple R-squared(full model): 0.8806 Adjusted R-squared: 0.876

Multiple R-squared(proj model): 8.091e-05 Adjusted R-squared: -0.03907

F-statistic(full model):188.5 on 510 and 13027 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.054 on 1 and 13027 DF, p-value: 0.3046

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

>

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

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

> print(datosTotales24)

[1] 11198

> print(datosProduccion24)

[1] 8954

> summary(regC1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-672.41 -3.11 -0.02 2.80 905.89

Coefficients:

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

ejecuciones\_24Meses -0.001186 0.006727 -0.176 0.86

Residual standard error: 44.29 on 10607 degrees of freedom

Multiple R-squared(full model): 0.9616 Adjusted R-squared: 0.9595

Multiple R-squared(proj model): 2.929e-06 Adjusted R-squared: -0.05562

F-statistic(full model):450.1 on 590 and 10607 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.03107 on 1 and 10607 DF, p-value: 0.8601

\*\*\* 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

-592.63 -2.66 -0.04 2.36 852.87

Coefficients:

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

ejecuciones\_24Meses -0.001325 0.006145 -0.216 0.829

Residual standard error: 40.45 on 10607 degrees of freedom

Multiple R-squared(full model): 0.959 Adjusted R-squared: 0.9567

Multiple R-squared(proj model): 4.385e-06 Adjusted R-squared: -0.05562

F-statistic(full model):420.2 on 590 and 10607 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.04652 on 1 and 10607 DF, p-value: 0.8292

\*\*\* 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

-79.774 -0.733 0.051 0.566 121.783

Coefficients:

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

ejecuciones\_24Meses 0.0001394 0.0011613 0.12 0.904

Residual standard error: 7.645 on 10607 degrees of freedom

Multiple R-squared(full model): 0.9703 Adjusted R-squared: 0.9686

Multiple R-squared(proj model): 1.358e-06 Adjusted R-squared: -0.05562

F-statistic(full model):586.4 on 590 and 10607 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.01441 on 1 and 10607 DF, p-value: 0.9045

\*\*\* 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

-157.604 -1.390 -0.237 1.345 210.322

Coefficients:

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

ejecuciones\_24Meses 0.001007 0.001658 0.607 0.544

Residual standard error: 10.91 on 10607 degrees of freedom

Multiple R-squared(full model): 0.9325 Adjusted R-squared: 0.9288

Multiple R-squared(proj model): 3.475e-05 Adjusted R-squared: -0.05559

F-statistic(full model):248.5 on 590 and 10607 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3686 on 1 and 10607 DF, p-value: 0.5438

\*\*\* 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

-155.832 -1.203 -0.219 1.222 192.736

Coefficients:

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

ejecuciones\_24Meses 0.001108 0.001520 0.729 0.466

Residual standard error: 10 on 10607 degrees of freedom

Multiple R-squared(full model): 0.9277 Adjusted R-squared: 0.9237

Multiple R-squared(proj model): 5.009e-05 Adjusted R-squared: -0.05557

F-statistic(full model):230.8 on 590 and 10607 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.5313 on 1 and 10607 DF, p-value: 0.4661

\*\*\* 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

-22.818 -0.259 -0.032 0.287 97.468

Coefficients:

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

ejecuciones\_24Meses -0.0001012 0.0003462 -0.292 0.77

Residual standard error: 2.279 on 10607 degrees of freedom

Multiple R-squared(full model): 0.9269 Adjusted R-squared: 0.9228

Multiple R-squared(proj model): 8.058e-06 Adjusted R-squared: -0.05562

F-statistic(full model):227.8 on 590 and 10607 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.08547 on 1 and 10607 DF, p-value: 0.77

\*\*\* 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

-2940.9 -48.4 7.6 55.7 9103.3

Coefficients:

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

ejecuciones\_24Meses -0.02413 0.04978 -0.485 0.628

Residual standard error: 327.7 on 10607 degrees of freedom

Multiple R-squared(full model): 0.9445 Adjusted R-squared: 0.9415

Multiple R-squared(proj model): 2.214e-05 Adjusted R-squared: -0.0556

F-statistic(full model):306.2 on 590 and 10607 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2349 on 1 and 10607 DF, p-value: 0.6279

\*\*\* 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

-1969.6 -31.3 4.0 35.7 8662.4

Coefficients:

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

ejecuciones\_24Meses -0.01745 0.03386 -0.515 0.606

Residual standard error: 222.9 on 10607 degrees of freedom

Multiple R-squared(full model): 0.9288 Adjusted R-squared: 0.9248

Multiple R-squared(proj model): 2.504e-05 Adjusted R-squared: -0.0556

F-statistic(full model):234.4 on 590 and 10607 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2656 on 1 and 10607 DF, p-value: 0.6063

\*\*\* 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

-2065.36 -12.04 4.98 11.78 3008.06

Coefficients:

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

ejecuciones\_24Meses -0.003733 0.018165 -0.205 0.837

Residual standard error: 119.6 on 10607 degrees of freedom

Multiple R-squared(full model): 0.9184 Adjusted R-squared: 0.9139

Multiple R-squared(proj model): 3.981e-06 Adjusted R-squared: -0.05562

F-statistic(full model):202.5 on 590 and 10607 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.04222 on 1 and 10607 DF, p-value: 0.8372

\*\*\* 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

-585652 -4962 -894 4326 581917

Coefficients:

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

ejecuciones\_24Meses 31.18 28.09 1.11 0.267

Residual standard error: 37180 on 8477 degrees of freedom

(2244 observations deleted due to missingness)

Multiple R-squared(full model): 0.9416 Adjusted R-squared: 0.9383

Multiple R-squared(proj model): 0.0001453 Adjusted R-squared: -0.056

F-statistic(full model):287.1 on 476 and 8477 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.231 on 1 and 8477 DF, p-value: 0.2671

\*\*\* 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

-36520 -845 -88 661 81180

Coefficients:

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

ejecuciones\_24Meses -2.400 2.693 -0.891 0.373

Residual standard error: 3564 on 8477 degrees of freedom

(2244 observations deleted due to missingness)

Multiple R-squared(full model): 0.8949 Adjusted R-squared: 0.889

Multiple R-squared(proj model): 9.368e-05 Adjusted R-squared: -0.05605

F-statistic(full model):151.6 on 476 and 8477 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.7942 on 1 and 8477 DF, p-value: 0.3729

\*\*\* 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

-586461 -5048 -547 4128 581083

Coefficients:

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

ejecuciones\_24Meses 26.25 28.69 0.915 0.36

Residual standard error: 37970 on 8477 degrees of freedom

(2244 observations deleted due to missingness)

Multiple R-squared(full model): 0.9391 Adjusted R-squared: 0.9357

Multiple R-squared(proj model): 9.874e-05 Adjusted R-squared: -0.05605

F-statistic(full model):274.8 on 476 and 8477 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.8371 on 1 and 8477 DF, p-value: 0.3603

\*\*\* 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

-35430 -849 -66 661 83637

Coefficients:

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

ejecuciones\_24Meses -1.860 2.671 -0.697 0.486

Residual standard error: 3535 on 8477 degrees of freedom

(2244 observations deleted due to missingness)

Multiple R-squared(full model): 0.8952 Adjusted R-squared: 0.8894

Multiple R-squared(proj model): 5.723e-05 Adjusted R-squared: -0.05609

F-statistic(full model):152.2 on 476 and 8477 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.4851 on 1 and 8477 DF, p-value: 0.4861

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