> print(subsectoresList[i])

[1] Curtido y acabado de cuero y piel, y fabricacion de productos de cuero, piel y materiales sucedaneos

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

> print(datosTotales6)

[1] 15336

> print(datosProduccion6)

[1] 14079

> summary(regA1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-970.69 -6.06 -0.70 6.70 742.52

Coefficients:

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

ejecuciones\_6Meses -0.02498 0.02696 -0.927 0.354

Residual standard error: 43.42 on 14853 degrees of freedom

Multiple R-squared(full model): 0.9673 Adjusted R-squared: 0.9662

Multiple R-squared(proj model): 5.781e-05 Adjusted R-squared: -0.03239

F-statistic(full model):910.7 on 482 and 14853 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.8588 on 1 and 14853 DF, p-value: 0.3541

\*\*\* 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

-882.64 -5.41 -0.74 6.16 706.66

Coefficients:

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

ejecuciones\_6Meses -0.02293 0.02573 -0.891 0.373

Residual standard error: 41.44 on 14853 degrees of freedom

Multiple R-squared(full model): 0.9644 Adjusted R-squared: 0.9632

Multiple R-squared(proj model): 5.346e-05 Adjusted R-squared: -0.0324

F-statistic(full model):834.9 on 482 and 14853 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.7941 on 1 and 14853 DF, p-value: 0.3729

\*\*\* 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

-88.300 -1.133 0.060 1.004 304.200

Coefficients:

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

ejecuciones\_6Meses -0.002051 0.004135 -0.496 0.62

Residual standard error: 6.659 on 14853 degrees of freedom

Multiple R-squared(full model): 0.9547 Adjusted R-squared: 0.9533

Multiple R-squared(proj model): 1.657e-05 Adjusted R-squared: -0.03243

F-statistic(full model):650.1 on 482 and 14853 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2461 on 1 and 14853 DF, p-value: 0.6198

\*\*\* 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

-195.689 -2.034 -0.304 2.091 290.833

Coefficients:

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

ejecuciones\_6Meses -0.003283 0.007130 -0.46 0.645

Residual standard error: 11.48 on 14853 degrees of freedom

Multiple R-squared(full model): 0.9375 Adjusted R-squared: 0.9355

Multiple R-squared(proj model): 1.427e-05 Adjusted R-squared: -0.03244

F-statistic(full model):462.6 on 482 and 14853 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.212 on 1 and 14853 DF, p-value: 0.6452

\*\*\* 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

-177.974 -1.843 -0.300 1.881 271.378

Coefficients:

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

ejecuciones\_6Meses -0.003699 0.006714 -0.551 0.582

Residual standard error: 10.81 on 14853 degrees of freedom

Multiple R-squared(full model): 0.9345 Adjusted R-squared: 0.9324

Multiple R-squared(proj model): 2.043e-05 Adjusted R-squared: -0.03243

F-statistic(full model): 440 on 482 and 14853 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3035 on 1 and 14853 DF, p-value: 0.5817

\*\*\* 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

-27.185 -0.317 0.001 0.279 51.311

Coefficients:

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

ejecuciones\_6Meses 0.0004160 0.0009451 0.44 0.66

Residual standard error: 1.522 on 14853 degrees of freedom

Multiple R-squared(full model): 0.9334 Adjusted R-squared: 0.9312

Multiple R-squared(proj model): 1.304e-05 Adjusted R-squared: -0.03244

F-statistic(full model):431.7 on 482 and 14853 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1937 on 1 and 14853 DF, p-value: 0.6599

\*\*\* 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

-6903 -64 4 61 38971

Coefficients:

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

ejecuciones\_6Meses -0.6178 0.3682 -1.678 0.0934 .

---

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

Residual standard error: 592.9 on 14853 degrees of freedom

Multiple R-squared(full model): 0.9127 Adjusted R-squared: 0.9099

Multiple R-squared(proj model): 0.0001895 Adjusted R-squared: -0.03226

F-statistic(full model):322.3 on 482 and 14853 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.816 on 1 and 14853 DF, p-value: 0.09337

\*\*\* 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

-6569.9 -42.2 4.0 41.7 30051.6

Coefficients:

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

ejecuciones\_6Meses -0.3889 0.2771 -1.404 0.16

Residual standard error: 446.2 on 14853 degrees of freedom

Multiple R-squared(full model): 0.9005 Adjusted R-squared: 0.8972

Multiple R-squared(proj model): 0.0001326 Adjusted R-squared: -0.03231

F-statistic(full model):278.8 on 482 and 14853 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.97 on 1 and 14853 DF, p-value: 0.1605

\*\*\* 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

-1120.8 -11.5 0.9 10.8 4339.1

Coefficients:

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

ejecuciones\_6Meses -0.10144 0.06133 -1.654 0.0982 .

---

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

Residual standard error: 98.76 on 14853 degrees of freedom

Multiple R-squared(full model): 0.9162 Adjusted R-squared: 0.9134

Multiple R-squared(proj model): 0.0001841 Adjusted R-squared: -0.03226

F-statistic(full model):336.7 on 482 and 14853 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.736 on 1 and 14853 DF, p-value: 0.09816

\*\*\* 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

-21389173 -53815 -12561 67478 34338185

Coefficients:

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

ejecuciones\_6Meses 432.6 511.8 0.845 0.398

Residual standard error: 778100 on 13626 degrees of freedom

(1257 observations deleted due to missingness)

Multiple R-squared(full model): 0.9158 Adjusted R-squared: 0.913

Multiple R-squared(proj model): 5.244e-05 Adjusted R-squared: -0.03312

F-statistic(full model): 328 on 452 and 13626 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.7146 on 1 and 13626 DF, p-value: 0.3979

\*\*\* 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

-67183 -697 -60 579 71625

Coefficients:

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

ejecuciones\_6Meses -2.491 2.227 -1.118 0.263

Residual standard error: 3386 on 13626 degrees of freedom

(1257 observations deleted due to missingness)

Multiple R-squared(full model): 0.9119 Adjusted R-squared: 0.9089

Multiple R-squared(proj model): 9.18e-05 Adjusted R-squared: -0.03308

F-statistic(full model):311.9 on 452 and 13626 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.251 on 1 and 13626 DF, p-value: 0.2634

\*\*\* 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

-21469144 -57514 -9198 59669 34339224

Coefficients:

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

ejecuciones\_6Meses 489.1 510.4 0.958 0.338

Residual standard error: 776100 on 13626 degrees of freedom

(1257 observations deleted due to missingness)

Multiple R-squared(full model): 0.916 Adjusted R-squared: 0.9133

Multiple R-squared(proj model): 6.737e-05 Adjusted R-squared: -0.0331

F-statistic(full model):328.9 on 452 and 13626 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.9181 on 1 and 13626 DF, p-value: 0.338

\*\*\* 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

-67471 -690 -49 573 71680

Coefficients:

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

ejecuciones\_6Meses -1.971 2.213 -0.891 0.373

Residual standard error: 3364 on 13626 degrees of freedom

(1257 observations deleted due to missingness)

Multiple R-squared(full model): 0.9126 Adjusted R-squared: 0.9097

Multiple R-squared(proj model): 5.822e-05 Adjusted R-squared: -0.03311

F-statistic(full model):314.7 on 452 and 13626 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.7934 on 1 and 13626 DF, p-value: 0.3731

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

>

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

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

> print(datosTotales12)

[1] 13416

> print(datosProduccion12)

[1] 12294

> summary(regB1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-896.71 -5.47 -0.87 6.51 742.68

Coefficients:

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

ejecuciones\_12Meses -0.003057 0.018911 -0.162 0.872

Residual standard error: 40.96 on 12938 degrees of freedom

Multiple R-squared(full model): 0.9706 Adjusted R-squared: 0.9695

Multiple R-squared(proj model): 2.02e-06 Adjusted R-squared: -0.03687

F-statistic(full model):896.1 on 477 and 12938 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.02614 on 1 and 12938 DF, p-value: 0.8716

\*\*\* 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

-814.79 -5.02 -0.88 6.01 737.50

Coefficients:

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

ejecuciones\_12Meses -0.0009371 0.0180423 -0.052 0.959

Residual standard error: 39.08 on 12938 degrees of freedom

Multiple R-squared(full model): 0.9681 Adjusted R-squared: 0.9669

Multiple R-squared(proj model): 2.085e-07 Adjusted R-squared: -0.03687

F-statistic(full model):823.2 on 477 and 12938 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.002698 on 1 and 12938 DF, p-value: 0.9586

\*\*\* 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

-82.177 -1.036 0.104 0.878 302.415

Coefficients:

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

ejecuciones\_12Meses -0.002120 0.002983 -0.711 0.477

Residual standard error: 6.462 on 12938 degrees of freedom

Multiple R-squared(full model): 0.9574 Adjusted R-squared: 0.9558

Multiple R-squared(proj model): 3.904e-05 Adjusted R-squared: -0.03683

F-statistic(full model):609.8 on 477 and 12938 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.5051 on 1 and 12938 DF, p-value: 0.4773

\*\*\* 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

-178.421 -1.872 -0.426 1.896 307.890

Coefficients:

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

ejecuciones\_12Meses 0.001047 0.004838 0.217 0.829

Residual standard error: 10.48 on 12938 degrees of freedom

Multiple R-squared(full model): 0.9451 Adjusted R-squared: 0.9431

Multiple R-squared(proj model): 3.623e-06 Adjusted R-squared: -0.03686

F-statistic(full model):466.9 on 477 and 12938 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.04688 on 1 and 12938 DF, p-value: 0.8286

\*\*\* 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

-162.113 -1.732 -0.406 1.749 287.922

Coefficients:

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

ejecuciones\_12Meses 0.001078 0.004552 0.237 0.813

Residual standard error: 9.86 on 12938 degrees of freedom

Multiple R-squared(full model): 0.9425 Adjusted R-squared: 0.9404

Multiple R-squared(proj model): 4.335e-06 Adjusted R-squared: -0.03686

F-statistic(full model):444.8 on 477 and 12938 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.05609 on 1 and 12938 DF, p-value: 0.8128

\*\*\* 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

-27.043 -0.273 -0.022 0.228 51.043

Coefficients:

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

ejecuciones\_12Meses -3.061e-05 6.663e-04 -0.046 0.963

Residual standard error: 1.443 on 12938 degrees of freedom

Multiple R-squared(full model): 0.9384 Adjusted R-squared: 0.9361

Multiple R-squared(proj model): 1.631e-07 Adjusted R-squared: -0.03687

F-statistic(full model): 413 on 477 and 12938 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.002111 on 1 and 12938 DF, p-value: 0.9634

\*\*\* 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

-7080 -65 6 63 39498

Coefficients:

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

ejecuciones\_12Meses -0.2945 0.2830 -1.041 0.298

Residual standard error: 612.9 on 12938 degrees of freedom

Multiple R-squared(full model): 0.908 Adjusted R-squared: 0.9046

Multiple R-squared(proj model): 8.369e-05 Adjusted R-squared: -0.03678

F-statistic(full model):267.8 on 477 and 12938 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.083 on 1 and 12938 DF, p-value: 0.2981

\*\*\* 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

-6739.9 -42.5 5.9 43.4 30344.2

Coefficients:

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

ejecuciones\_12Meses -0.1697 0.2143 -0.792 0.428

Residual standard error: 464.1 on 12938 degrees of freedom

Multiple R-squared(full model): 0.8945 Adjusted R-squared: 0.8906

Multiple R-squared(proj model): 4.849e-05 Adjusted R-squared: -0.03682

F-statistic(full model):229.9 on 477 and 12938 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.6274 on 1 and 12938 DF, p-value: 0.4283

\*\*\* 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

-1109.8 -11.4 1.1 11.1 4296.1

Coefficients:

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

ejecuciones\_12Meses -0.04784 0.04651 -1.029 0.304

Residual standard error: 100.7 on 12938 degrees of freedom

Multiple R-squared(full model): 0.9149 Adjusted R-squared: 0.9118

Multiple R-squared(proj model): 8.177e-05 Adjusted R-squared: -0.03678

F-statistic(full model):291.7 on 477 and 12938 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.058 on 1 and 12938 DF, p-value: 0.3037

\*\*\* 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

-19721813 -50211 -14293 57722 34753983

Coefficients:

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

ejecuciones\_12Meses 270.8 348.3 0.778 0.437

Residual standard error: 730100 on 11846 degrees of freedom

(1122 observations deleted due to missingness)

Multiple R-squared(full model): 0.9203 Adjusted R-squared: 0.9173

Multiple R-squared(proj model): 5.104e-05 Adjusted R-squared: -0.03768

F-statistic(full model):306.1 on 447 and 11846 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.6047 on 1 and 11846 DF, p-value: 0.4368

\*\*\* 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

-63907 -712 -56 596 73841

Coefficients:

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

ejecuciones\_12Meses -0.4905 1.5629 -0.314 0.754

Residual standard error: 3276 on 11846 degrees of freedom

(1122 observations deleted due to missingness)

Multiple R-squared(full model): 0.9155 Adjusted R-squared: 0.9124

Multiple R-squared(proj model): 8.315e-06 Adjusted R-squared: -0.03773

F-statistic(full model):287.3 on 447 and 11846 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.0985 on 1 and 11846 DF, p-value: 0.7536

\*\*\* 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

-19813754 -46645 -14904 57232 34755634

Coefficients:

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

ejecuciones\_12Meses 307.2 347.6 0.884 0.377

Residual standard error: 728700 on 11846 degrees of freedom

(1122 observations deleted due to missingness)

Multiple R-squared(full model): 0.9205 Adjusted R-squared: 0.9175

Multiple R-squared(proj model): 6.591e-05 Adjusted R-squared: -0.03767

F-statistic(full model):306.7 on 447 and 11846 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.7808 on 1 and 11846 DF, p-value: 0.3769

\*\*\* 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

-64235 -709 -42 587 73898

Coefficients:

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

ejecuciones\_12Meses -0.2471 1.5565 -0.159 0.874

Residual standard error: 3263 on 11846 degrees of freedom

(1122 observations deleted due to missingness)

Multiple R-squared(full model): 0.9159 Adjusted R-squared: 0.9128

Multiple R-squared(proj model): 2.128e-06 Adjusted R-squared: -0.03773

F-statistic(full model):288.7 on 447 and 11846 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.02521 on 1 and 11846 DF, p-value: 0.8739

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

>

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

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

> print(datosTotales24)

[1] 8978

> print(datosProduccion24)

[1] 8200

> summary(regC1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-778.33 -5.14 -1.28 6.02 742.72

Coefficients:

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

ejecuciones\_24Meses 0.00845 0.01726 0.49 0.624

Residual standard error: 34.89 on 8530 degrees of freedom

Multiple R-squared(full model): 0.9784 Adjusted R-squared: 0.9773

Multiple R-squared(proj model): 2.811e-05 Adjusted R-squared: -0.05237

F-statistic(full model): 864 on 447 and 8530 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2398 on 1 and 8530 DF, p-value: 0.6244

\*\*\* 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

-713.27 -4.81 -1.19 5.75 684.15

Coefficients:

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

ejecuciones\_24Meses 0.01116 0.01649 0.677 0.499

Residual standard error: 33.34 on 8530 degrees of freedom

Multiple R-squared(full model): 0.9766 Adjusted R-squared: 0.9753

Multiple R-squared(proj model): 5.368e-05 Adjusted R-squared: -0.05235

F-statistic(full model): 795 on 447 and 8530 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.4579 on 1 and 8530 DF, p-value: 0.4986

\*\*\* 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

-65.313 -0.644 -0.020 0.572 298.073

Coefficients:

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

ejecuciones\_24Meses -0.002708 0.002841 -0.953 0.341

Residual standard error: 5.744 on 8530 degrees of freedom

Multiple R-squared(full model): 0.9665 Adjusted R-squared: 0.9647

Multiple R-squared(proj model): 0.0001065 Adjusted R-squared: -0.05229

F-statistic(full model):550.1 on 447 and 8530 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.9084 on 1 and 8530 DF, p-value: 0.3406

\*\*\* 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

-149.536 -1.900 -0.317 1.839 132.293

Coefficients:

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

ejecuciones\_24Meses 0.002469 0.004476 0.552 0.581

Residual standard error: 9.05 on 8530 degrees of freedom

Multiple R-squared(full model): 0.9574 Adjusted R-squared: 0.9552

Multiple R-squared(proj model): 3.567e-05 Adjusted R-squared: -0.05237

F-statistic(full model):428.8 on 447 and 8530 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3043 on 1 and 8530 DF, p-value: 0.5812

\*\*\* 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

-137.260 -1.773 -0.271 1.706 122.338

Coefficients:

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

ejecuciones\_24Meses 0.002881 0.004228 0.681 0.496

Residual standard error: 8.549 on 8530 degrees of freedom

Multiple R-squared(full model): 0.9552 Adjusted R-squared: 0.9528

Multiple R-squared(proj model): 5.443e-05 Adjusted R-squared: -0.05235

F-statistic(full model):406.4 on 447 and 8530 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.4643 on 1 and 8530 DF, p-value: 0.4957

\*\*\* 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

-27.956 -0.226 -0.036 0.231 50.470

Coefficients:

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

ejecuciones\_24Meses -0.0004119 0.0006354 -0.648 0.517

Residual standard error: 1.285 on 8530 degrees of freedom

Multiple R-squared(full model): 0.9511 Adjusted R-squared: 0.9485

Multiple R-squared(proj model): 4.926e-05 Adjusted R-squared: -0.05235

F-statistic(full model):370.8 on 447 and 8530 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.4202 on 1 and 8530 DF, p-value: 0.5168

\*\*\* 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

-6719.1 -61.7 3.6 63.0 21680.8

Coefficients:

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

ejecuciones\_24Meses -0.1048 0.2386 -0.439 0.661

Residual standard error: 482.6 on 8530 degrees of freedom

Multiple R-squared(full model): 0.9387 Adjusted R-squared: 0.9355

Multiple R-squared(proj model): 2.261e-05 Adjusted R-squared: -0.05238

F-statistic(full model):292.4 on 447 and 8530 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1929 on 1 and 8530 DF, p-value: 0.6605

\*\*\* 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

-6716.4 -41.2 3.5 43.9 14098.6

Coefficients:

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

ejecuciones\_24Meses -0.02893 0.18185 -0.159 0.874

Residual standard error: 367.7 on 8530 degrees of freedom

Multiple R-squared(full model): 0.9294 Adjusted R-squared: 0.9257

Multiple R-squared(proj model): 2.967e-06 Adjusted R-squared: -0.0524

F-statistic(full model):251.2 on 447 and 8530 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.02531 on 1 and 8530 DF, p-value: 0.8736

\*\*\* 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

-1163.2 -10.3 1.1 11.6 4225.2

Coefficients:

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

ejecuciones\_24Meses -0.03948 0.04478 -0.882 0.378

Residual standard error: 90.55 on 8530 degrees of freedom

Multiple R-squared(full model): 0.933 Adjusted R-squared: 0.9295

Multiple R-squared(proj model): 9.113e-05 Adjusted R-squared: -0.05231

F-statistic(full model):265.7 on 447 and 8530 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.7774 on 1 and 8530 DF, p-value: 0.378

\*\*\* 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

-19990601 -55318 -16145 50759 10144490

Coefficients:

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

ejecuciones\_24Meses -83.1 324.6 -0.256 0.798

Residual standard error: 650800 on 7784 degrees of freedom

(778 observations deleted due to missingness)

Multiple R-squared(full model): 0.9309 Adjusted R-squared: 0.9272

Multiple R-squared(proj model): 8.421e-06 Adjusted R-squared: -0.05331

F-statistic(full model):252.7 on 415 and 7784 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.06555 on 1 and 7784 DF, p-value: 0.7979

\*\*\* 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

-66355 -695 -73 657 73360

Coefficients:

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

ejecuciones\_24Meses -0.2169 1.6509 -0.131 0.895

Residual standard error: 3310 on 7784 degrees of freedom

(778 observations deleted due to missingness)

Multiple R-squared(full model): 0.916 Adjusted R-squared: 0.9115

Multiple R-squared(proj model): 2.218e-06 Adjusted R-squared: -0.05331

F-statistic(full model):204.6 on 415 and 7784 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.01727 on 1 and 7784 DF, p-value: 0.8955

\*\*\* 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

-20130809 -59830 -14402 48029 9987682

Coefficients:

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

ejecuciones\_24Meses -55.71 324.53 -0.172 0.864

Residual standard error: 650700 on 7784 degrees of freedom

(778 observations deleted due to missingness)

Multiple R-squared(full model): 0.9309 Adjusted R-squared: 0.9273

Multiple R-squared(proj model): 3.786e-06 Adjusted R-squared: -0.05331

F-statistic(full model):252.8 on 415 and 7784 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.02947 on 1 and 7784 DF, p-value: 0.8637

\*\*\* 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

-66851 -707 -67 645 73418

Coefficients:

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

ejecuciones\_24Meses -0.04403 1.65444 -0.027 0.979

Residual standard error: 3317 on 7784 degrees of freedom

(778 observations deleted due to missingness)

Multiple R-squared(full model): 0.9154 Adjusted R-squared: 0.9109

Multiple R-squared(proj model): 9.097e-08 Adjusted R-squared: -0.05331

F-statistic(full model):203.1 on 415 and 7784 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.0007081 on 1 and 7784 DF, p-value: 0.9788

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