> print(subsectoresList[i])

[1] Industria de la madera

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

> print(datosTotales6)

[1] 9326

> print(datosProduccion6)

[1] 8860

> summary(regA1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-174.728 -3.815 0.045 3.518 165.394

Coefficients:

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

ejecuciones\_6Meses 0.00266 0.00193 1.378 0.168

Residual standard error: 15.74 on 8939 degrees of freedom

Multiple R-squared(full model): 0.9666 Adjusted R-squared: 0.9652

Multiple R-squared(proj model): 0.0002125 Adjusted R-squared: -0.04296

F-statistic(full model):670.9 on 386 and 8939 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.9 on 1 and 8939 DF, p-value: 0.1681

\*\*\* 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

-171.751 -3.379 -0.005 3.194 156.841

Coefficients:

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

ejecuciones\_6Meses 0.002932 0.001727 1.697 0.0896 .

---

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

Residual standard error: 14.09 on 8939 degrees of freedom

Multiple R-squared(full model): 0.959 Adjusted R-squared: 0.9572

Multiple R-squared(proj model): 0.0003222 Adjusted R-squared: -0.04285

F-statistic(full model):541.5 on 386 and 8939 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.881 on 1 and 8939 DF, p-value: 0.08964

\*\*\* 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

-49.227 -0.535 0.037 0.521 142.821

Coefficients:

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

ejecuciones\_6Meses -0.0002718 0.0005376 -0.506 0.613

Residual standard error: 4.386 on 8939 degrees of freedom

Multiple R-squared(full model): 0.9638 Adjusted R-squared: 0.9623

Multiple R-squared(proj model): 2.861e-05 Adjusted R-squared: -0.04315

F-statistic(full model): 617 on 386 and 8939 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2557 on 1 and 8939 DF, p-value: 0.6131

\*\*\* 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

-37.409 -1.052 0.011 0.986 66.444

Coefficients:

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

ejecuciones\_6Meses 0.0004934 0.0005061 0.975 0.33

Residual standard error: 4.129 on 8939 degrees of freedom

Multiple R-squared(full model): 0.9415 Adjusted R-squared: 0.939

Multiple R-squared(proj model): 0.0001063 Adjusted R-squared: -0.04307

F-statistic(full model):372.7 on 386 and 8939 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.9505 on 1 and 8939 DF, p-value: 0.3296

\*\*\* 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

-35.881 -0.889 -0.004 0.862 41.413

Coefficients:

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

ejecuciones\_6Meses 0.0004893 0.0004264 1.148 0.251

Residual standard error: 3.478 on 8939 degrees of freedom

Multiple R-squared(full model): 0.9365 Adjusted R-squared: 0.9337

Multiple R-squared(proj model): 0.0001473 Adjusted R-squared: -0.04303

F-statistic(full model):341.4 on 386 and 8939 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.317 on 1 and 8939 DF, p-value: 0.2512

\*\*\* 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

-14.5772 -0.2082 0.0091 0.1670 25.1479

Coefficients:

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

ejecuciones\_6Meses 4.136e-06 1.448e-04 0.029 0.977

Residual standard error: 1.182 on 8939 degrees of freedom

Multiple R-squared(full model): 0.9328 Adjusted R-squared: 0.9299

Multiple R-squared(proj model): 9.124e-08 Adjusted R-squared: -0.04318

F-statistic(full model):321.5 on 386 and 8939 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.0008156 on 1 and 8939 DF, p-value: 0.9772

\*\*\* 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

-1318.5 -25.5 2.9 21.9 4116.4

Coefficients:

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

ejecuciones\_6Meses 0.00736 0.01940 0.379 0.704

Residual standard error: 158.3 on 8939 degrees of freedom

Multiple R-squared(full model): 0.9237 Adjusted R-squared: 0.9204

Multiple R-squared(proj model): 1.609e-05 Adjusted R-squared: -0.04316

F-statistic(full model):280.2 on 386 and 8939 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1439 on 1 and 8939 DF, p-value: 0.7045

\*\*\* 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

-1001.3 -17.9 1.9 15.0 3794.5

Coefficients:

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

ejecuciones\_6Meses -0.001281 0.014363 -0.089 0.929

Residual standard error: 117.2 on 8939 degrees of freedom

Multiple R-squared(full model): 0.8612 Adjusted R-squared: 0.8552

Multiple R-squared(proj model): 8.903e-07 Adjusted R-squared: -0.04318

F-statistic(full model):143.7 on 386 and 8939 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.007958 on 1 and 8939 DF, p-value: 0.9289

\*\*\* 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

-734.77 -4.52 0.86 5.76 1240.91

Coefficients:

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

ejecuciones\_6Meses 0.004075 0.006307 0.646 0.518

Residual standard error: 51.46 on 8939 degrees of freedom

Multiple R-squared(full model): 0.9203 Adjusted R-squared: 0.9169

Multiple R-squared(proj model): 4.67e-05 Adjusted R-squared: -0.04313

F-statistic(full model):267.5 on 386 and 8939 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.4175 on 1 and 8939 DF, p-value: 0.5182

\*\*\* 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

-103837 -1095 215 897 132321

Coefficients:

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

ejecuciones\_6Meses 5.377 1.266 4.248 2.18e-05 \*\*\*

---

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

Residual standard error: 9516 on 8487 degrees of freedom

(466 observations deleted due to missingness)

Multiple R-squared(full model): 0.884 Adjusted R-squared: 0.8789

Multiple R-squared(proj model): 0.002122 Adjusted R-squared: -0.04162

F-statistic(full model):173.8 on 372 and 8487 DF, p-value: < 2.2e-16

F-statistic(proj model): 18.05 on 1 and 8487 DF, p-value: 2.176e-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

-27769.5 -298.6 -29.1 246.7 28407.4

Coefficients:

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

ejecuciones\_6Meses -0.1634 0.2231 -0.732 0.464

Residual standard error: 1678 on 8487 degrees of freedom

(466 observations deleted due to missingness)

Multiple R-squared(full model): 0.9277 Adjusted R-squared: 0.9246

Multiple R-squared(proj model): 6.317e-05 Adjusted R-squared: -0.04377

F-statistic(full model):292.9 on 372 and 8487 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.5361 on 1 and 8487 DF, p-value: 0.4641

\*\*\* 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

-94806 -1067 216 845 131982

Coefficients:

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

ejecuciones\_6Meses 4.911 1.230 3.993 6.59e-05 \*\*\*

---

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

Residual standard error: 9249 on 8487 degrees of freedom

(466 observations deleted due to missingness)

Multiple R-squared(full model): 0.8887 Adjusted R-squared: 0.8839

Multiple R-squared(proj model): 0.001875 Adjusted R-squared: -0.04187

F-statistic(full model):182.3 on 372 and 8487 DF, p-value: < 2.2e-16

F-statistic(proj model): 15.94 on 1 and 8487 DF, p-value: 6.59e-05

\*\*\* 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

-23553.9 -287.7 -23.3 235.6 26071.7

Coefficients:

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

ejecuciones\_6Meses -0.2040 0.2084 -0.979 0.328

Residual standard error: 1567 on 8487 degrees of freedom

(466 observations deleted due to missingness)

Multiple R-squared(full model): 0.9344 Adjusted R-squared: 0.9315

Multiple R-squared(proj model): 0.000113 Adjusted R-squared: -0.04371

F-statistic(full model): 325 on 372 and 8487 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.9588 on 1 and 8487 DF, p-value: 0.3275

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

>

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

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

> print(datosTotales12)

[1] 8176

> print(datosProduccion12)

[1] 7760

> summary(regB1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-173.113 -3.710 0.092 3.259 165.388

Coefficients:

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

ejecuciones\_12Meses 0.0009322 0.0011790 0.791 0.429

Residual standard error: 15.31 on 7794 degrees of freedom

Multiple R-squared(full model): 0.9679 Adjusted R-squared: 0.9664

Multiple R-squared(proj model): 8.02e-05 Adjusted R-squared: -0.0488

F-statistic(full model):617.6 on 381 and 7794 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.6251 on 1 and 7794 DF, p-value: 0.4292

\*\*\* 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

-170.184 -3.251 0.076 3.002 156.842

Coefficients:

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

ejecuciones\_12Meses 0.001263 0.001057 1.195 0.232

Residual standard error: 13.72 on 7794 degrees of freedom

Multiple R-squared(full model): 0.9606 Adjusted R-squared: 0.9587

Multiple R-squared(proj model): 0.0001832 Adjusted R-squared: -0.04869

F-statistic(full model):498.8 on 381 and 7794 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.428 on 1 and 7794 DF, p-value: 0.2321

\*\*\* 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

-42.855 -0.566 0.076 0.478 143.238

Coefficients:

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

ejecuciones\_12Meses -0.0003305 0.0003283 -1.007 0.314

Residual standard error: 4.264 on 7794 degrees of freedom

Multiple R-squared(full model): 0.9652 Adjusted R-squared: 0.9635

Multiple R-squared(proj model): 0.0001301 Adjusted R-squared: -0.04875

F-statistic(full model):566.8 on 381 and 7794 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.014 on 1 and 7794 DF, p-value: 0.314

\*\*\* 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

-36.232 -1.014 0.024 0.897 73.343

Coefficients:

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

ejecuciones\_12Meses 0.0001571 0.0003019 0.52 0.603

Residual standard error: 3.921 on 7794 degrees of freedom

Multiple R-squared(full model): 0.9449 Adjusted R-squared: 0.9422

Multiple R-squared(proj model): 3.474e-05 Adjusted R-squared: -0.04885

F-statistic(full model):350.8 on 381 and 7794 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2707 on 1 and 7794 DF, p-value: 0.6028

\*\*\* 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

-35.837 -0.856 -0.006 0.796 45.651

Coefficients:

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

ejecuciones\_12Meses 0.0001610 0.0002576 0.625 0.532

Residual standard error: 3.345 on 7794 degrees of freedom

Multiple R-squared(full model): 0.9392 Adjusted R-squared: 0.9362

Multiple R-squared(proj model): 5.011e-05 Adjusted R-squared: -0.04883

F-statistic(full model):315.8 on 381 and 7794 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3906 on 1 and 7794 DF, p-value: 0.532

\*\*\* 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

-11.9115 -0.2086 0.0248 0.1596 27.8093

Coefficients:

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

ejecuciones\_12Meses -3.889e-06 8.382e-05 -0.046 0.963

Residual standard error: 1.089 on 7794 degrees of freedom

Multiple R-squared(full model): 0.9391 Adjusted R-squared: 0.9361

Multiple R-squared(proj model): 2.762e-07 Adjusted R-squared: -0.04888

F-statistic(full model):315.4 on 381 and 7794 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.002152 on 1 and 7794 DF, p-value: 0.963

\*\*\* 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

-1303.5 -26.6 3.6 22.5 4002.5

Coefficients:

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

ejecuciones\_12Meses 0.00317 0.01241 0.255 0.798

Residual standard error: 161.2 on 7794 degrees of freedom

Multiple R-squared(full model): 0.9228 Adjusted R-squared: 0.919

Multiple R-squared(proj model): 8.371e-06 Adjusted R-squared: -0.04887

F-statistic(full model):244.4 on 381 and 7794 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.06524 on 1 and 7794 DF, p-value: 0.7984

\*\*\* 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

-1107.3 -18.7 2.2 15.5 3689.2

Coefficients:

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

ejecuciones\_12Meses -0.002357 0.009194 -0.256 0.798

Residual standard error: 119.4 on 7794 degrees of freedom

Multiple R-squared(full model): 0.8612 Adjusted R-squared: 0.8545

Multiple R-squared(proj model): 8.429e-06 Adjusted R-squared: -0.04887

F-statistic(full model): 127 on 381 and 7794 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.0657 on 1 and 7794 DF, p-value: 0.7977

\*\*\* 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

-702.82 -4.86 0.91 6.30 1229.78

Coefficients:

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

ejecuciones\_12Meses 0.001461 0.003962 0.369 0.712

Residual standard error: 51.46 on 7794 degrees of freedom

Multiple R-squared(full model): 0.924 Adjusted R-squared: 0.9203

Multiple R-squared(proj model): 1.745e-05 Adjusted R-squared: -0.04887

F-statistic(full model):248.7 on 381 and 7794 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.136 on 1 and 7794 DF, p-value: 0.7123

\*\*\* 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

-103895 -1189 291 883 126325

Coefficients:

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

ejecuciones\_12Meses 2.7800 0.7848 3.542 0.000399 \*\*\*

---

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

Residual standard error: 9507 on 7392 degrees of freedom

(416 observations deleted due to missingness)

Multiple R-squared(full model): 0.8871 Adjusted R-squared: 0.8815

Multiple R-squared(proj model): 0.001695 Adjusted R-squared: -0.04787

F-statistic(full model):158.3 on 367 and 7392 DF, p-value: < 2.2e-16

F-statistic(proj model): 12.55 on 1 and 7392 DF, p-value: 0.0003991

\*\*\* 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

-28541.8 -300.2 -21.7 237.2 28408.2

Coefficients:

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

ejecuciones\_12Meses -0.06283 0.14028 -0.448 0.654

Residual standard error: 1699 on 7392 degrees of freedom

(416 observations deleted due to missingness)

Multiple R-squared(full model): 0.9263 Adjusted R-squared: 0.9226

Multiple R-squared(proj model): 2.714e-05 Adjusted R-squared: -0.04962

F-statistic(full model):253.1 on 367 and 7392 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2006 on 1 and 7392 DF, p-value: 0.6543

\*\*\* 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

-95680 -1134 264 870 125993

Coefficients:

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

ejecuciones\_12Meses 2.5447 0.7647 3.328 0.00088 \*\*\*

---

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

Residual standard error: 9264 on 7392 degrees of freedom

(416 observations deleted due to missingness)

Multiple R-squared(full model): 0.8915 Adjusted R-squared: 0.8861

Multiple R-squared(proj model): 0.001496 Adjusted R-squared: -0.04808

F-statistic(full model):165.4 on 367 and 7392 DF, p-value: < 2.2e-16

F-statistic(proj model): 11.07 on 1 and 7392 DF, p-value: 0.0008805

\*\*\* 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

-23883.1 -283.4 -23.0 223.4 26072.5

Coefficients:

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

ejecuciones\_12Meses -0.07464 0.13051 -0.572 0.567

Residual standard error: 1581 on 7392 degrees of freedom

(416 observations deleted due to missingness)

Multiple R-squared(full model): 0.9331 Adjusted R-squared: 0.9297

Multiple R-squared(proj model): 4.425e-05 Adjusted R-squared: -0.0496

F-statistic(full model):280.8 on 367 and 7392 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3271 on 1 and 7392 DF, p-value: 0.5674

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

>

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

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

> print(datosTotales24)

[1] 5506

> print(datosProduccion24)

[1] 5210

> summary(regC1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-166.230 -2.665 -0.125 2.455 159.043

Coefficients:

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

ejecuciones\_24Meses -0.0009079 0.0009602 -0.946 0.344

Residual standard error: 12.96 on 5151 degrees of freedom

Multiple R-squared(full model): 0.9753 Adjusted R-squared: 0.9736

Multiple R-squared(proj model): 0.0001735 Adjusted R-squared: -0.06854

F-statistic(full model):575.2 on 354 and 5151 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.894 on 1 and 5151 DF, p-value: 0.3444

\*\*\* 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

-163.266 -2.582 -0.132 2.338 146.564

Coefficients:

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

ejecuciones\_24Meses -0.0003203 0.0009066 -0.353 0.724

Residual standard error: 12.23 on 5151 degrees of freedom

Multiple R-squared(full model): 0.9669 Adjusted R-squared: 0.9646

Multiple R-squared(proj model): 2.423e-05 Adjusted R-squared: -0.0687

F-statistic(full model):424.9 on 354 and 5151 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1248 on 1 and 5151 DF, p-value: 0.7239

\*\*\* 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

-35.711 -0.305 0.027 0.310 144.021

Coefficients:

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

ejecuciones\_24Meses -0.0005876 0.0002542 -2.311 0.0209 \*

---

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

Residual standard error: 3.43 on 5151 degrees of freedom

Multiple R-squared(full model): 0.9752 Adjusted R-squared: 0.9735

Multiple R-squared(proj model): 0.001036 Adjusted R-squared: -0.06762

F-statistic(full model):572.1 on 354 and 5151 DF, p-value: < 2.2e-16

F-statistic(proj model): 5.342 on 1 and 5151 DF, p-value: 0.02086

\*\*\* 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

-33.065 -0.733 -0.042 0.759 27.623

Coefficients:

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

ejecuciones\_24Meses -6.586e-05 2.340e-04 -0.281 0.778

Residual standard error: 3.157 on 5151 degrees of freedom

Multiple R-squared(full model): 0.9595 Adjusted R-squared: 0.9567

Multiple R-squared(proj model): 1.538e-05 Adjusted R-squared: -0.06871

F-statistic(full model):344.8 on 354 and 5151 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.07922 on 1 and 5151 DF, p-value: 0.7784

\*\*\* 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

-32.583 -0.637 -0.062 0.680 27.322

Coefficients:

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

ejecuciones\_24Meses -2.687e-05 2.133e-04 -0.126 0.9

Residual standard error: 2.878 on 5151 degrees of freedom

Multiple R-squared(full model): 0.9503 Adjusted R-squared: 0.9469

Multiple R-squared(proj model): 3.082e-06 Adjusted R-squared: -0.06872

F-statistic(full model):278.3 on 354 and 5151 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.01587 on 1 and 5151 DF, p-value: 0.8997

\*\*\* 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

-8.4089 -0.0953 0.0064 0.0937 8.1547

Coefficients:

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

ejecuciones\_24Meses -3.899e-05 5.324e-05 -0.732 0.464

Residual standard error: 0.7183 on 5151 degrees of freedom

Multiple R-squared(full model): 0.9681 Adjusted R-squared: 0.9659

Multiple R-squared(proj model): 0.0001041 Adjusted R-squared: -0.06861

F-statistic(full model): 441 on 354 and 5151 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.5364 on 1 and 5151 DF, p-value: 0.464

\*\*\* 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

-1476.6 -22.3 4.6 21.5 3656.6

Coefficients:

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

ejecuciones\_24Meses -0.003795 0.012029 -0.315 0.752

Residual standard error: 162.3 on 5151 degrees of freedom

Multiple R-squared(full model): 0.9258 Adjusted R-squared: 0.9207

Multiple R-squared(proj model): 1.932e-05 Adjusted R-squared: -0.0687

F-statistic(full model):181.5 on 354 and 5151 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.09953 on 1 and 5151 DF, p-value: 0.7524

\*\*\* 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

-1324.9 -18.0 2.6 15.5 3341.1

Coefficients:

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

ejecuciones\_24Meses -0.006708 0.008873 -0.756 0.45

Residual standard error: 119.7 on 5151 degrees of freedom

Multiple R-squared(full model): 0.8739 Adjusted R-squared: 0.8653

Multiple R-squared(proj model): 0.000111 Adjusted R-squared: -0.06861

F-statistic(full model):100.9 on 354 and 5151 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.5717 on 1 and 5151 DF, p-value: 0.4496

\*\*\* 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

-729.44 -4.45 0.98 6.20 1203.15

Coefficients:

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

ejecuciones\_24Meses 0.0007656 0.0037187 0.206 0.837

Residual standard error: 50.17 on 5151 degrees of freedom

Multiple R-squared(full model): 0.9333 Adjusted R-squared: 0.9287

Multiple R-squared(proj model): 8.229e-06 Adjusted R-squared: -0.06872

F-statistic(full model):203.4 on 354 and 5151 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.04239 on 1 and 5151 DF, p-value: 0.8369

\*\*\* 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

-101394 -782 88 516 119984

Coefficients:

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

ejecuciones\_24Meses 0.7643 0.7048 1.084 0.278

Residual standard error: 9142 on 4866 degrees of freedom

(296 observations deleted due to missingness)

Multiple R-squared(full model): 0.8951 Adjusted R-squared: 0.8877

Multiple R-squared(proj model): 0.0002416 Adjusted R-squared: -0.07023

F-statistic(full model):121.1 on 343 and 4866 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.176 on 1 and 4866 DF, p-value: 0.2782

\*\*\* 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

-28151.8 -248.9 -23.5 223.0 27766.3

Coefficients:

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

ejecuciones\_24Meses -0.02033 0.13579 -0.15 0.881

Residual standard error: 1761 on 4866 degrees of freedom

(296 observations deleted due to missingness)

Multiple R-squared(full model): 0.9218 Adjusted R-squared: 0.9163

Multiple R-squared(proj model): 4.606e-06 Adjusted R-squared: -0.07048

F-statistic(full model):167.3 on 343 and 4866 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.02241 on 1 and 4866 DF, p-value: 0.881

\*\*\* 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

-79214 -747 67 587 119747

Coefficients:

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

ejecuciones\_24Meses 0.8066 0.6904 1.168 0.243

Residual standard error: 8955 on 4866 degrees of freedom

(296 observations deleted due to missingness)

Multiple R-squared(full model): 0.8989 Adjusted R-squared: 0.8918

Multiple R-squared(proj model): 0.0002805 Adjusted R-squared: -0.07019

F-statistic(full model):126.2 on 343 and 4866 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.365 on 1 and 4866 DF, p-value: 0.2427

\*\*\* 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

-22499.1 -226.2 -32.1 206.9 25373.5

Coefficients:

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

ejecuciones\_24Meses -0.0147 0.1258 -0.117 0.907

Residual standard error: 1632 on 4866 degrees of freedom

(296 observations deleted due to missingness)

Multiple R-squared(full model): 0.9292 Adjusted R-squared: 0.9242

Multiple R-squared(proj model): 2.805e-06 Adjusted R-squared: -0.07049

F-statistic(full model):186.2 on 343 and 4866 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.01365 on 1 and 4866 DF, p-value: 0.907

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