> print(subsectoresList[i])

[1] Industria del papel

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

> print(datosTotales6)

[1] 9440

> print(datosProduccion6)

[1] 9156

> summary(regA1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-266.041 -7.778 -0.024 7.924 273.097

Coefficients:

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

ejecuciones\_6Meses 0.017220 0.007656 2.249 0.0245 \*

---

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

Residual standard error: 32.33 on 9091 degrees of freedom

Multiple R-squared(full model): 0.9799 Adjusted R-squared: 0.9791

Multiple R-squared(proj model): 0.0005562 Adjusted R-squared: -0.0377

F-statistic(full model): 1271 on 348 and 9091 DF, p-value: < 2.2e-16

F-statistic(proj model): 5.059 on 1 and 9091 DF, p-value: 0.02452

\*\*\* 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

-220.783 -7.040 -0.187 6.673 259.824

Coefficients:

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

ejecuciones\_6Meses 0.012708 0.006462 1.966 0.0493 \*

---

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

Residual standard error: 27.29 on 9091 degrees of freedom

Multiple R-squared(full model): 0.9763 Adjusted R-squared: 0.9754

Multiple R-squared(proj model): 0.0004252 Adjusted R-squared: -0.03784

F-statistic(full model): 1075 on 348 and 9091 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.867 on 1 and 9091 DF, p-value: 0.04927

\*\*\* 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

-101.591 -1.851 -0.001 1.988 94.703

Coefficients:

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

ejecuciones\_6Meses 0.004512 0.002303 1.96 0.0501 .

---

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

Residual standard error: 9.723 on 9091 degrees of freedom

Multiple R-squared(full model): 0.9786 Adjusted R-squared: 0.9778

Multiple R-squared(proj model): 0.0004223 Adjusted R-squared: -0.03784

F-statistic(full model): 1197 on 348 and 9091 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.84 on 1 and 9091 DF, p-value: 0.05007

\*\*\* 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

-80.602 -2.452 -0.018 2.471 84.181

Coefficients:

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

ejecuciones\_6Meses 0.007066 0.002062 3.428 0.000612 \*\*\*

---

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

Residual standard error: 8.706 on 9091 degrees of freedom

Multiple R-squared(full model): 0.9722 Adjusted R-squared: 0.9712

Multiple R-squared(proj model): 0.001291 Adjusted R-squared: -0.03694

F-statistic(full model):914.3 on 348 and 9091 DF, p-value: < 2.2e-16

F-statistic(proj model): 11.75 on 1 and 9091 DF, p-value: 0.0006117

\*\*\* 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

-72.978 -1.974 -0.055 1.964 73.363

Coefficients:

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

ejecuciones\_6Meses 0.006226 0.001717 3.627 0.000288 \*\*\*

---

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

Residual standard error: 7.249 on 9091 degrees of freedom

Multiple R-squared(full model): 0.9689 Adjusted R-squared: 0.9677

Multiple R-squared(proj model): 0.001445 Adjusted R-squared: -0.03678

F-statistic(full model):814.6 on 348 and 9091 DF, p-value: < 2.2e-16

F-statistic(proj model): 13.16 on 1 and 9091 DF, p-value: 0.0002882

\*\*\* 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

-24.2883 -0.6198 0.0018 0.6501 27.1267

Coefficients:

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

ejecuciones\_6Meses 0.0008401 0.0006135 1.369 0.171

Residual standard error: 2.591 on 9091 degrees of freedom

Multiple R-squared(full model): 0.9678 Adjusted R-squared: 0.9666

Multiple R-squared(proj model): 0.0002062 Adjusted R-squared: -0.03807

F-statistic(full model):785.9 on 348 and 9091 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.875 on 1 and 9091 DF, p-value: 0.1709

\*\*\* 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

-5675.1 -159.8 25.4 162.8 12298.7

Coefficients:

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

ejecuciones\_6Meses 0.1486 0.1818 0.817 0.414

Residual standard error: 767.5 on 9091 degrees of freedom

Multiple R-squared(full model): 0.9469 Adjusted R-squared: 0.9449

Multiple R-squared(proj model): 7.347e-05 Adjusted R-squared: -0.0382

F-statistic(full model):466.3 on 348 and 9091 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.668 on 1 and 9091 DF, p-value: 0.4138

\*\*\* 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

-2920.4 -80.3 1.5 76.1 7489.3

Coefficients:

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

ejecuciones\_6Meses -0.12907 0.08357 -1.545 0.122

Residual standard error: 352.9 on 9091 degrees of freedom

Multiple R-squared(full model): 0.9421 Adjusted R-squared: 0.9399

Multiple R-squared(proj model): 0.0002624 Adjusted R-squared: -0.03801

F-statistic(full model):424.8 on 348 and 9091 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.386 on 1 and 9091 DF, p-value: 0.1225

\*\*\* 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

-2664.4 -65.8 16.5 66.0 8296.0

Coefficients:

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

ejecuciones\_6Meses -0.02937 0.09226 -0.318 0.75

Residual standard error: 389.6 on 9091 degrees of freedom

Multiple R-squared(full model): 0.8944 Adjusted R-squared: 0.8903

Multiple R-squared(proj model): 1.115e-05 Adjusted R-squared: -0.03827

F-statistic(full model):221.2 on 348 and 9091 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1013 on 1 and 9091 DF, p-value: 0.7502

\*\*\* 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

-350313 -786 -83 698 188224

Coefficients:

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

ejecuciones\_6Meses -1.122 2.465 -0.455 0.649

Residual standard error: 10390 on 8817 degrees of freedom

(284 observations deleted due to missingness)

Multiple R-squared(full model): 0.9645 Adjusted R-squared: 0.9631

Multiple R-squared(proj model): 2.35e-05 Adjusted R-squared: -0.03831

F-statistic(full model):708.1 on 338 and 8817 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2072 on 1 and 8817 DF, p-value: 0.649

\*\*\* 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

-116718 -3167 24 2992 164365

Coefficients:

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

ejecuciones\_6Meses 1.442 2.563 0.563 0.574

Residual standard error: 10810 on 8817 degrees of freedom

(284 observations deleted due to missingness)

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

Multiple R-squared(proj model): 3.592e-05 Adjusted R-squared: -0.0383

F-statistic(full model):792.6 on 338 and 8817 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3167 on 1 and 8817 DF, p-value: 0.5736

\*\*\* 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

-273859 -693 -128 794 401705

Coefficients:

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

ejecuciones\_6Meses -0.6967 2.7763 -0.251 0.802

Residual standard error: 11710 on 8817 degrees of freedom

(284 observations deleted due to missingness)

Multiple R-squared(full model): 0.9533 Adjusted R-squared: 0.9515

Multiple R-squared(proj model): 7.143e-06 Adjusted R-squared: -0.03833

F-statistic(full model):532.3 on 338 and 8817 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.06298 on 1 and 8817 DF, p-value: 0.8018

\*\*\* 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

-136938 -2875 -26 2656 304291

Coefficients:

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

ejecuciones\_6Meses 1.775 2.822 0.629 0.529

Residual standard error: 11900 on 8817 degrees of freedom

(284 observations deleted due to missingness)

Multiple R-squared(full model): 0.9611 Adjusted R-squared: 0.9596

Multiple R-squared(proj model): 4.486e-05 Adjusted R-squared: -0.03829

F-statistic(full model):644.6 on 338 and 8817 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3955 on 1 and 8817 DF, p-value: 0.5294

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

>

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

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

> print(datosTotales12)

[1] 8292

> print(datosProduccion12)

[1] 8048

> summary(regB1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-256.623 -7.291 -0.120 7.391 299.732

Coefficients:

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

ejecuciones\_12Meses 0.015052 0.004637 3.246 0.00118 \*\*

---

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

Residual standard error: 30.76 on 7948 degrees of freedom

Multiple R-squared(full model): 0.9822 Adjusted R-squared: 0.9814

Multiple R-squared(proj model): 0.001324 Adjusted R-squared: -0.04177

F-statistic(full model): 1277 on 343 and 7948 DF, p-value: < 2.2e-16

F-statistic(proj model): 10.54 on 1 and 7948 DF, p-value: 0.001175

\*\*\* 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

-229.931 -6.671 -0.190 6.137 246.605

Coefficients:

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

ejecuciones\_12Meses 0.011377 0.003952 2.879 0.004 \*\*

---

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

Residual standard error: 26.21 on 7948 degrees of freedom

Multiple R-squared(full model): 0.9786 Adjusted R-squared: 0.9777

Multiple R-squared(proj model): 0.001042 Adjusted R-squared: -0.04207

F-statistic(full model): 1061 on 343 and 7948 DF, p-value: < 2.2e-16

F-statistic(proj model): 8.289 on 1 and 7948 DF, p-value: 0.004

\*\*\* 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

-70.497 -1.653 -0.015 1.694 91.895

Coefficients:

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

ejecuciones\_12Meses 0.003675 0.001395 2.635 0.00843 \*\*

---

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

Residual standard error: 9.25 on 7948 degrees of freedom

Multiple R-squared(full model): 0.981 Adjusted R-squared: 0.9802

Multiple R-squared(proj model): 0.0008728 Adjusted R-squared: -0.04225

F-statistic(full model): 1197 on 343 and 7948 DF, p-value: < 2.2e-16

F-statistic(proj model): 6.943 on 1 and 7948 DF, p-value: 0.008429

\*\*\* 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

-87.050 -2.384 -0.027 2.307 81.637

Coefficients:

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

ejecuciones\_12Meses 0.005286 0.001277 4.138 3.53e-05 \*\*\*

---

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

Residual standard error: 8.473 on 7948 degrees of freedom

Multiple R-squared(full model): 0.9743 Adjusted R-squared: 0.9732

Multiple R-squared(proj model): 0.00215 Adjusted R-squared: -0.04091

F-statistic(full model):879.9 on 343 and 7948 DF, p-value: < 2.2e-16

F-statistic(proj model): 17.13 on 1 and 7948 DF, p-value: 3.533e-05

\*\*\* 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

-78.379 -1.920 -0.055 1.842 66.325

Coefficients:

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

ejecuciones\_12Meses 0.004512 0.001063 4.244 2.22e-05 \*\*\*

---

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

Residual standard error: 7.052 on 7948 degrees of freedom

Multiple R-squared(full model): 0.9714 Adjusted R-squared: 0.9701

Multiple R-squared(proj model): 0.002261 Adjusted R-squared: -0.0408

F-statistic(full model):786.4 on 343 and 7948 DF, p-value: < 2.2e-16

F-statistic(proj model): 18.01 on 1 and 7948 DF, p-value: 2.217e-05

\*\*\* 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

-24.4845 -0.6050 0.0012 0.6119 26.3963

Coefficients:

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

ejecuciones\_12Meses 0.0007744 0.0003859 2.007 0.0448 \*

---

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

Residual standard error: 2.56 on 7948 degrees of freedom

Multiple R-squared(full model): 0.9692 Adjusted R-squared: 0.9679

Multiple R-squared(proj model): 0.0005064 Adjusted R-squared: -0.04263

F-statistic(full model):729.8 on 343 and 7948 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.027 on 1 and 7948 DF, p-value: 0.04481

\*\*\* 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

-5731.0 -156.9 29.8 161.1 11749.1

Coefficients:

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

ejecuciones\_12Meses 0.07536 0.11664 0.646 0.518

Residual standard error: 773.7 on 7948 degrees of freedom

Multiple R-squared(full model): 0.9484 Adjusted R-squared: 0.9461

Multiple R-squared(proj model): 5.251e-05 Adjusted R-squared: -0.0431

F-statistic(full model):425.7 on 343 and 7948 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.4174 on 1 and 7948 DF, p-value: 0.5183

\*\*\* 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

-3135.7 -80.5 7.9 71.0 7254.8

Coefficients:

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

ejecuciones\_12Meses -0.04488 0.05338 -0.841 0.4

Residual standard error: 354.1 on 7948 degrees of freedom

Multiple R-squared(full model): 0.9445 Adjusted R-squared: 0.9421

Multiple R-squared(proj model): 8.894e-05 Adjusted R-squared: -0.04306

F-statistic(full model): 394 on 343 and 7948 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.707 on 1 and 7948 DF, p-value: 0.4005

\*\*\* 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

-2946.3 -68.8 19.3 66.9 8016.7

Coefficients:

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

ejecuciones\_12Meses -0.007142 0.060270 -0.118 0.906

Residual standard error: 399.8 on 7948 degrees of freedom

Multiple R-squared(full model): 0.8945 Adjusted R-squared: 0.89

Multiple R-squared(proj model): 1.767e-06 Adjusted R-squared: -0.04315

F-statistic(full model):196.6 on 343 and 7948 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.01404 on 1 and 7948 DF, p-value: 0.9057

\*\*\* 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

-359913 -766 -93 610 178637

Coefficients:

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

ejecuciones\_12Meses -0.4725 1.5881 -0.297 0.766

Residual standard error: 10520 on 7714 degrees of freedom

(244 observations deleted due to missingness)

Multiple R-squared(full model): 0.9649 Adjusted R-squared: 0.9634

Multiple R-squared(proj model): 1.147e-05 Adjusted R-squared: -0.04316

F-statistic(full model):637.4 on 333 and 7714 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.0885 on 1 and 7714 DF, p-value: 0.7661

\*\*\* 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

-122242 -3084 52 2810 161715

Coefficients:

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

ejecuciones\_12Meses -0.1919 1.6049 -0.12 0.905

Residual standard error: 10640 on 7714 degrees of freedom

(244 observations deleted due to missingness)

Multiple R-squared(full model): 0.9703 Adjusted R-squared: 0.9691

Multiple R-squared(proj model): 1.854e-06 Adjusted R-squared: -0.04317

F-statistic(full model):757.9 on 333 and 7714 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.0143 on 1 and 7714 DF, p-value: 0.9048

\*\*\* 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

-291718 -642 -127 723 383840

Coefficients:

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

ejecuciones\_12Meses 0.1293 1.7786 0.073 0.942

Residual standard error: 11790 on 7714 degrees of freedom

(244 observations deleted due to missingness)

Multiple R-squared(full model): 0.9552 Adjusted R-squared: 0.9532

Multiple R-squared(proj model): 6.853e-07 Adjusted R-squared: -0.04317

F-statistic(full model):493.4 on 333 and 7714 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.005286 on 1 and 7714 DF, p-value: 0.942

\*\*\* 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

-142548 -2811 -81 2467 304596

Coefficients:

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

ejecuciones\_12Meses 0.7745 1.7967 0.431 0.666

Residual standard error: 11910 on 7714 degrees of freedom

(244 observations deleted due to missingness)

Multiple R-squared(full model): 0.9625 Adjusted R-squared: 0.9609

Multiple R-squared(proj model): 2.409e-05 Adjusted R-squared: -0.04314

F-statistic(full model): 595 on 333 and 7714 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1858 on 1 and 7714 DF, p-value: 0.6664

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

>

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

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

> print(datosTotales24)

[1] 5595

> print(datosProduccion24)

[1] 5437

> summary(regC1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-230.60 -6.06 -0.18 5.74 331.15

Coefficients:

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

ejecuciones\_24Meses -0.002241 0.003796 -0.59 0.555

Residual standard error: 26.32 on 5270 degrees of freedom

Multiple R-squared(full model): 0.9876 Adjusted R-squared: 0.9869

Multiple R-squared(proj model): 6.611e-05 Adjusted R-squared: -0.06141

F-statistic(full model): 1297 on 324 and 5270 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3484 on 1 and 5270 DF, p-value: 0.555

\*\*\* 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

-221.333 -5.625 -0.125 5.197 245.609

Coefficients:

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

ejecuciones\_24Meses -0.00436 0.00333 -1.309 0.19

Residual standard error: 23.09 on 5270 degrees of freedom

Multiple R-squared(full model): 0.9843 Adjusted R-squared: 0.9834

Multiple R-squared(proj model): 0.0003253 Adjusted R-squared: -0.06113

F-statistic(full model): 1023 on 324 and 5270 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.715 on 1 and 5270 DF, p-value: 0.1904

\*\*\* 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

-69.950 -1.337 -0.051 1.188 85.545

Coefficients:

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

ejecuciones\_24Meses 0.002120 0.001255 1.689 0.0913 .

---

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

Residual standard error: 8.705 on 5270 degrees of freedom

Multiple R-squared(full model): 0.9838 Adjusted R-squared: 0.9829

Multiple R-squared(proj model): 0.0005409 Adjusted R-squared: -0.06091

F-statistic(full model):990.5 on 324 and 5270 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.852 on 1 and 5270 DF, p-value: 0.09133

\*\*\* 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

-58.441 -2.063 -0.037 2.012 71.249

Coefficients:

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

ejecuciones\_24Meses 0.001375 0.001100 1.25 0.211

Residual standard error: 7.629 on 5270 degrees of freedom

Multiple R-squared(full model): 0.9805 Adjusted R-squared: 0.9793

Multiple R-squared(proj model): 0.0002963 Adjusted R-squared: -0.06117

F-statistic(full model):816.7 on 324 and 5270 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.562 on 1 and 5270 DF, p-value: 0.2114

\*\*\* 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

-57.595 -1.739 -0.054 1.605 53.319

Coefficients:

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

ejecuciones\_24Meses 0.0005413 0.0009189 0.589 0.556

Residual standard error: 6.372 on 5270 degrees of freedom

Multiple R-squared(full model): 0.9782 Adjusted R-squared: 0.9768

Multiple R-squared(proj model): 6.584e-05 Adjusted R-squared: -0.06141

F-statistic(full model):729.2 on 324 and 5270 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.347 on 1 and 5270 DF, p-value: 0.5558

\*\*\* 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

-24.8868 -0.5308 -0.0058 0.5469 22.8260

Coefficients:

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

ejecuciones\_24Meses 0.0008337 0.0003557 2.344 0.0191 \*

---

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

Residual standard error: 2.467 on 5270 degrees of freedom

Multiple R-squared(full model): 0.9729 Adjusted R-squared: 0.9712

Multiple R-squared(proj model): 0.001041 Adjusted R-squared: -0.06037

F-statistic(full model):583.2 on 324 and 5270 DF, p-value: < 2.2e-16

F-statistic(proj model): 5.493 on 1 and 5270 DF, p-value: 0.01913

\*\*\* 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

-5006.2 -152.8 26.3 164.3 10965.7

Coefficients:

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

ejecuciones\_24Meses -0.1043 0.1116 -0.935 0.35

Residual standard error: 773.6 on 5270 degrees of freedom

Multiple R-squared(full model): 0.9527 Adjusted R-squared: 0.9498

Multiple R-squared(proj model): 0.0001657 Adjusted R-squared: -0.0613

F-statistic(full model):327.9 on 324 and 5270 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.8734 on 1 and 5270 DF, p-value: 0.3501

\*\*\* 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

-2799.0 -77.2 10.2 74.0 6809.8

Coefficients:

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

ejecuciones\_24Meses -0.08919 0.05186 -1.72 0.0855 .

---

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

Residual standard error: 359.7 on 5270 degrees of freedom

Multiple R-squared(full model): 0.9478 Adjusted R-squared: 0.9446

Multiple R-squared(proj model): 0.0005608 Adjusted R-squared: -0.06088

F-statistic(full model):295.2 on 324 and 5270 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.957 on 1 and 5270 DF, p-value: 0.08555

\*\*\* 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

-2507.9 -68.8 19.8 68.3 7630.6

Coefficients:

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

ejecuciones\_24Meses -0.05883 0.05973 -0.985 0.325

Residual standard error: 414.2 on 5270 degrees of freedom

Multiple R-squared(full model): 0.8975 Adjusted R-squared: 0.8912

Multiple R-squared(proj model): 0.0001841 Adjusted R-squared: -0.06128

F-statistic(full model):142.4 on 324 and 5270 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.9702 on 1 and 5270 DF, p-value: 0.3247

\*\*\* 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

-393523 -691 -151 611 143244

Coefficients:

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

ejecuciones\_24Meses 0.7023 1.4038 0.5 0.617

Residual standard error: 9727 on 5119 degrees of freedom

(158 observations deleted due to missingness)

Multiple R-squared(full model): 0.973 Adjusted R-squared: 0.9713

Multiple R-squared(proj model): 4.889e-05 Adjusted R-squared: -0.06187

F-statistic(full model):582.3 on 317 and 5119 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2503 on 1 and 5119 DF, p-value: 0.6169

\*\*\* 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

-87094 -2587 81 2397 154166

Coefficients:

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

ejecuciones\_24Meses 1.616 1.481 1.091 0.275

Residual standard error: 10260 on 5119 degrees of freedom

(158 observations deleted due to missingness)

Multiple R-squared(full model): 0.9751 Adjusted R-squared: 0.9736

Multiple R-squared(proj model): 0.0002326 Adjusted R-squared: -0.06168

F-statistic(full model):632.7 on 317 and 5119 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.191 on 1 and 5119 DF, p-value: 0.2752

\*\*\* 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

-317162 -608 -19 576 358387

Coefficients:

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

ejecuciones\_24Meses 0.7971 1.6993 0.469 0.639

Residual standard error: 11770 on 5119 degrees of freedom

(158 observations deleted due to missingness)

Multiple R-squared(full model): 0.9589 Adjusted R-squared: 0.9563

Multiple R-squared(proj model): 4.298e-05 Adjusted R-squared: -0.06188

F-statistic(full model):376.5 on 317 and 5119 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.22 on 1 and 5119 DF, p-value: 0.639

\*\*\* 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

-153362 -2567 103 2235 299855

Coefficients:

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

ejecuciones\_24Meses 1.679 1.765 0.951 0.342

Residual standard error: 12230 on 5119 degrees of freedom

(158 observations deleted due to missingness)

Multiple R-squared(full model): 0.9641 Adjusted R-squared: 0.9619

Multiple R-squared(proj model): 0.0001767 Adjusted R-squared: -0.06174

F-statistic(full model):433.7 on 317 and 5119 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.9047 on 1 and 5119 DF, p-value: 0.3416

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