> print(subsectoresList[i])

[1] Fabricacion de maquinaria y equipo

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

> print(datosTotales6)

[1] 12493

> print(datosProduccion6)

[1] 11784

> summary(regA1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-1073.35 -10.98 -1.79 12.61 761.22

Coefficients:

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

ejecuciones\_6Meses -0.05739 0.02888 -1.987 0.047 \*

---

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

Residual standard error: 64.75 on 12052 degrees of freedom

Multiple R-squared(full model): 0.958 Adjusted R-squared: 0.9564

Multiple R-squared(proj model): 0.0003275 Adjusted R-squared: -0.03617

F-statistic(full model):624.3 on 440 and 12052 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.948 on 1 and 12052 DF, p-value: 0.04695

\*\*\* 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

-958.90 -9.12 -2.06 10.68 637.54

Coefficients:

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

ejecuciones\_6Meses 0.003572 0.023965 0.149 0.882

Residual standard error: 53.73 on 12052 degrees of freedom

Multiple R-squared(full model): 0.9496 Adjusted R-squared: 0.9477

Multiple R-squared(proj model): 1.844e-06 Adjusted R-squared: -0.03651

F-statistic(full model):515.9 on 440 and 12052 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.02222 on 1 and 12052 DF, p-value: 0.8815

\*\*\* 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

-214.15 -2.58 -0.01 2.54 331.30

Coefficients:

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

ejecuciones\_6Meses -0.06096 0.00823 -7.407 1.38e-13 \*\*\*

---

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

Residual standard error: 18.45 on 12052 degrees of freedom

Multiple R-squared(full model): 0.9531 Adjusted R-squared: 0.9514

Multiple R-squared(proj model): 0.004531 Adjusted R-squared: -0.03181

F-statistic(full model):556.4 on 440 and 12052 DF, p-value: < 2.2e-16

F-statistic(proj model): 54.86 on 1 and 12052 DF, p-value: 1.382e-13

\*\*\* 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

-234.457 -3.184 -0.325 3.272 223.215

Coefficients:

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

ejecuciones\_6Meses -0.006995 0.007214 -0.97 0.332

Residual standard error: 16.17 on 12052 degrees of freedom

Multiple R-squared(full model): 0.9314 Adjusted R-squared: 0.9289

Multiple R-squared(proj model): 7.8e-05 Adjusted R-squared: -0.03643

F-statistic(full model):372.1 on 440 and 12052 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.9401 on 1 and 12052 DF, p-value: 0.3323

\*\*\* 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

-227.981 -2.631 -0.355 2.780 217.601

Coefficients:

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

ejecuciones\_6Meses 0.005616 0.006253 0.898 0.369

Residual standard error: 14.02 on 12052 degrees of freedom

Multiple R-squared(full model): 0.91 Adjusted R-squared: 0.9067

Multiple R-squared(proj model): 6.693e-05 Adjusted R-squared: -0.03644

F-statistic(full model):276.8 on 440 and 12052 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.8067 on 1 and 12052 DF, p-value: 0.3691

\*\*\* 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

-51.792 -0.672 0.009 0.628 65.795

Coefficients:

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

ejecuciones\_6Meses -0.012611 0.001915 -6.584 4.78e-11 \*\*\*

---

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

Residual standard error: 4.294 on 12052 degrees of freedom

Multiple R-squared(full model): 0.9359 Adjusted R-squared: 0.9336

Multiple R-squared(proj model): 0.003584 Adjusted R-squared: -0.03279

F-statistic(full model):400.1 on 440 and 12052 DF, p-value: < 2.2e-16

F-statistic(proj model): 43.35 on 1 and 12052 DF, p-value: 4.779e-11

\*\*\* 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

-22850 -157 12 164 39548

Coefficients:

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

ejecuciones\_6Meses 1.7834 0.6683 2.669 0.00762 \*\*

---

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

Residual standard error: 1498 on 12052 degrees of freedom

Multiple R-squared(full model): 0.9041 Adjusted R-squared: 0.9006

Multiple R-squared(proj model): 0.0005906 Adjusted R-squared: -0.0359

F-statistic(full model):258.1 on 440 and 12052 DF, p-value: < 2.2e-16

F-statistic(proj model): 7.123 on 1 and 12052 DF, p-value: 0.007622

\*\*\* 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

-9746.6 -79.3 -1.1 80.4 23681.6

Coefficients:

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

ejecuciones\_6Meses 0.7952 0.2788 2.852 0.00435 \*\*

---

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

Residual standard error: 625 on 12052 degrees of freedom

Multiple R-squared(full model): 0.8643 Adjusted R-squared: 0.8594

Multiple R-squared(proj model): 0.0006745 Adjusted R-squared: -0.03581

F-statistic(full model):174.5 on 440 and 12052 DF, p-value: < 2.2e-16

F-statistic(proj model): 8.135 on 1 and 12052 DF, p-value: 0.00435

\*\*\* 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

-10891 -46 13 60 34492

Coefficients:

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

ejecuciones\_6Meses 0.6732 0.3367 1.999 0.0456 \*

---

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

Residual standard error: 754.9 on 12052 degrees of freedom

Multiple R-squared(full model): 0.8633 Adjusted R-squared: 0.8583

Multiple R-squared(proj model): 0.0003315 Adjusted R-squared: -0.03616

F-statistic(full model): 173 on 440 and 12052 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.997 on 1 and 12052 DF, p-value: 0.0456

\*\*\* 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

-557266 -1873 -426 2167 704871

Coefficients:

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

ejecuciones\_6Meses 5.902 11.668 0.506 0.613

Residual standard error: 25770 on 11361 degrees of freedom

(709 observations deleted due to missingness)

Multiple R-squared(full model): 0.9381 Adjusted R-squared: 0.9358

Multiple R-squared(proj model): 2.252e-05 Adjusted R-squared: -0.03712

F-statistic(full model):407.7 on 422 and 11361 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2559 on 1 and 11361 DF, p-value: 0.613

\*\*\* 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

-435590 -2999 115 3276 788839

Coefficients:

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

ejecuciones\_6Meses 92.41 14.21 6.505 8.09e-11 \*\*\*

---

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

Residual standard error: 31380 on 11361 degrees of freedom

(709 observations deleted due to missingness)

Multiple R-squared(full model): 0.7897 Adjusted R-squared: 0.7819

Multiple R-squared(proj model): 0.003711 Adjusted R-squared: -0.0333

F-statistic(full model):101.1 on 422 and 11361 DF, p-value: < 2.2e-16

F-statistic(proj model): 42.32 on 1 and 11361 DF, p-value: 8.089e-11

\*\*\* 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

-550684 -2197 -339 2145 1643062

Coefficients:

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

ejecuciones\_6Meses 7.193 13.191 0.545 0.586

Residual standard error: 29130 on 11361 degrees of freedom

(709 observations deleted due to missingness)

Multiple R-squared(full model): 0.9236 Adjusted R-squared: 0.9208

Multiple R-squared(proj model): 2.617e-05 Adjusted R-squared: -0.03712

F-statistic(full model):325.7 on 422 and 11361 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2974 on 1 and 11361 DF, p-value: 0.5855

\*\*\* 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

-430464 -2819 84 3113 773188

Coefficients:

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

ejecuciones\_6Meses 86.94 14.21 6.119 9.75e-10 \*\*\*

---

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

Residual standard error: 31380 on 11361 degrees of freedom

(709 observations deleted due to missingness)

Multiple R-squared(full model): 0.7887 Adjusted R-squared: 0.7809

Multiple R-squared(proj model): 0.003284 Adjusted R-squared: -0.03374

F-statistic(full model):100.5 on 422 and 11361 DF, p-value: < 2.2e-16

F-statistic(proj model): 37.44 on 1 and 11361 DF, p-value: 9.751e-10

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

>

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

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

> print(datosTotales12)

[1] 10962

> print(datosProduccion12)

[1] 10348

> summary(regB1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-1030.10 -11.87 -1.16 12.64 760.31

Coefficients:

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

ejecuciones\_12Meses -0.04504 0.02035 -2.213 0.0269 \*

---

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

Residual standard error: 62.5 on 10526 degrees of freedom

Multiple R-squared(full model): 0.9604 Adjusted R-squared: 0.9587

Multiple R-squared(proj model): 0.000465 Adjusted R-squared: -0.04084

F-statistic(full model):586.6 on 435 and 10526 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.897 on 1 and 10526 DF, p-value: 0.02693

\*\*\* 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

-924.18 -9.81 -1.48 10.59 663.05

Coefficients:

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

ejecuciones\_12Meses -0.00124 0.01708 -0.073 0.942

Residual standard error: 52.45 on 10526 degrees of freedom

Multiple R-squared(full model): 0.9514 Adjusted R-squared: 0.9494

Multiple R-squared(proj model): 5.007e-07 Adjusted R-squared: -0.04133

F-statistic(full model):473.3 on 435 and 10526 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.005271 on 1 and 10526 DF, p-value: 0.9421

\*\*\* 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

-181.68 -2.68 0.15 2.44 361.77

Coefficients:

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

ejecuciones\_12Meses -0.043797 0.005846 -7.491 7.38e-14 \*\*\*

---

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

Residual standard error: 17.95 on 10526 degrees of freedom

Multiple R-squared(full model): 0.9554 Adjusted R-squared: 0.9535

Multiple R-squared(proj model): 0.005303 Adjusted R-squared: -0.0358

F-statistic(full model):517.8 on 435 and 10526 DF, p-value: < 2.2e-16

F-statistic(proj model): 56.12 on 1 and 10526 DF, p-value: 7.376e-14

\*\*\* 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

-222.655 -3.246 -0.163 3.186 235.028

Coefficients:

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

ejecuciones\_12Meses -0.003779 0.005216 -0.725 0.469

Residual standard error: 16.02 on 10526 degrees of freedom

Multiple R-squared(full model): 0.9316 Adjusted R-squared: 0.9287

Multiple R-squared(proj model): 4.987e-05 Adjusted R-squared: -0.04127

F-statistic(full model):329.4 on 435 and 10526 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.525 on 1 and 10526 DF, p-value: 0.4687

\*\*\* 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

-212.975 -2.667 -0.215 2.748 232.576

Coefficients:

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

ejecuciones\_12Meses 0.005120 0.004543 1.127 0.26

Residual standard error: 13.95 on 10526 degrees of freedom

Multiple R-squared(full model): 0.9085 Adjusted R-squared: 0.9047

Multiple R-squared(proj model): 0.0001207 Adjusted R-squared: -0.0412

F-statistic(full model):240.3 on 435 and 10526 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.27 on 1 and 10526 DF, p-value: 0.2597

\*\*\* 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

-54.969 -0.670 0.025 0.613 62.549

Coefficients:

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

ejecuciones\_12Meses -0.008899 0.001367 -6.509 7.91e-11 \*\*\*

---

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

Residual standard error: 4.199 on 10526 degrees of freedom

Multiple R-squared(full model): 0.9396 Adjusted R-squared: 0.9371

Multiple R-squared(proj model): 0.004009 Adjusted R-squared: -0.03715

F-statistic(full model):376.2 on 435 and 10526 DF, p-value: < 2.2e-16

F-statistic(proj model): 42.37 on 1 and 10526 DF, p-value: 7.91e-11

\*\*\* 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

-25768 -163 -3 174 36418

Coefficients:

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

ejecuciones\_12Meses 1.5256 0.4691 3.252 0.00115 \*\*

---

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

Residual standard error: 1441 on 10526 degrees of freedom

Multiple R-squared(full model): 0.9126 Adjusted R-squared: 0.909

Multiple R-squared(proj model): 0.001004 Adjusted R-squared: -0.04028

F-statistic(full model):252.8 on 435 and 10526 DF, p-value: < 2.2e-16

F-statistic(proj model): 10.58 on 1 and 10526 DF, p-value: 0.001149

\*\*\* 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

-9518.1 -82.4 -8.6 86.5 23908.1

Coefficients:

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

ejecuciones\_12Meses 0.5229 0.2026 2.58 0.00989 \*\*

---

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

Residual standard error: 622.3 on 10526 degrees of freedom

Multiple R-squared(full model): 0.8675 Adjusted R-squared: 0.862

Multiple R-squared(proj model): 0.0006321 Adjusted R-squared: -0.04067

F-statistic(full model):158.5 on 435 and 10526 DF, p-value: < 2.2e-16

F-statistic(proj model): 6.658 on 1 and 10526 DF, p-value: 0.009886

\*\*\* 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

-12267 -50 14 62 32991

Coefficients:

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

ejecuciones\_12Meses 0.7686 0.2442 3.147 0.00165 \*\*

---

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

Residual standard error: 750.1 on 10526 degrees of freedom

Multiple R-squared(full model): 0.8701 Adjusted R-squared: 0.8647

Multiple R-squared(proj model): 0.00094 Adjusted R-squared: -0.04035

F-statistic(full model): 162 on 435 and 10526 DF, p-value: < 2.2e-16

F-statistic(proj model): 9.904 on 1 and 10526 DF, p-value: 0.001654

\*\*\* 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

-534407 -1892 -226 2306 662695

Coefficients:

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

ejecuciones\_12Meses 3.216 8.201 0.392 0.695

Residual standard error: 24930 on 9930 degrees of freedom

(614 observations deleted due to missingness)

Multiple R-squared(full model): 0.9395 Adjusted R-squared: 0.937

Multiple R-squared(proj model): 1.548e-05 Adjusted R-squared: -0.04198

F-statistic(full model): 370 on 417 and 9930 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1538 on 1 and 9930 DF, p-value: 0.695

\*\*\* 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

-431968 -3394 171 3543 793549

Coefficients:

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

ejecuciones\_12Meses 50.78 10.90 4.659 3.21e-06 \*\*\*

---

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

Residual standard error: 33130 on 9930 degrees of freedom

(614 observations deleted due to missingness)

Multiple R-squared(full model): 0.7761 Adjusted R-squared: 0.7667

Multiple R-squared(proj model): 0.002182 Adjusted R-squared: -0.03972

F-statistic(full model):82.54 on 417 and 9930 DF, p-value: < 2.2e-16

F-statistic(proj model): 21.71 on 1 and 9930 DF, p-value: 3.213e-06

\*\*\* 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

-527113 -1905 -376 2157 598208

Coefficients:

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

ejecuciones\_12Meses 1.648 7.749 0.213 0.832

Residual standard error: 23560 on 9930 degrees of freedom

(614 observations deleted due to missingness)

Multiple R-squared(full model): 0.9449 Adjusted R-squared: 0.9426

Multiple R-squared(proj model): 4.557e-06 Adjusted R-squared: -0.04199

F-statistic(full model):408.2 on 417 and 9930 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.04525 on 1 and 9930 DF, p-value: 0.8316

\*\*\* 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

-427409 -3194 107 3349 777603

Coefficients:

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

ejecuciones\_12Meses 46.91 10.91 4.301 1.72e-05 \*\*\*

---

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

Residual standard error: 33160 on 9930 degrees of freedom

(614 observations deleted due to missingness)

Multiple R-squared(full model): 0.7742 Adjusted R-squared: 0.7647

Multiple R-squared(proj model): 0.001859 Adjusted R-squared: -0.04006

F-statistic(full model):81.65 on 417 and 9930 DF, p-value: < 2.2e-16

F-statistic(proj model): 18.5 on 1 and 9930 DF, p-value: 1.719e-05

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

>

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

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

> print(datosTotales24)

[1] 7394

> print(datosProduccion24)

[1] 6978

> summary(regC1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-861.34 -9.72 0.17 10.21 936.04

Coefficients:

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

ejecuciones\_24Meses 0.14889 0.01837 8.104 6.25e-16 \*\*\*

---

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

Residual standard error: 54.95 on 6987 degrees of freedom

Multiple R-squared(full model): 0.9669 Adjusted R-squared: 0.9649

Multiple R-squared(proj model): 0.009311 Adjusted R-squared: -0.04826

F-statistic(full model):502.2 on 406 and 6987 DF, p-value: < 2.2e-16

F-statistic(proj model): 65.67 on 1 and 6987 DF, p-value: 6.254e-16

\*\*\* 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

-789.69 -8.61 0.00 8.94 803.92

Coefficients:

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

ejecuciones\_24Meses 0.16907 0.01648 10.26 <2e-16 \*\*\*

---

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

Residual standard error: 49.29 on 6987 degrees of freedom

Multiple R-squared(full model): 0.9535 Adjusted R-squared: 0.9508

Multiple R-squared(proj model): 0.01484 Adjusted R-squared: -0.04241

F-statistic(full model):353.1 on 406 and 6987 DF, p-value: < 2.2e-16

F-statistic(proj model): 105.2 on 1 and 6987 DF, p-value: < 2.2e-16

\*\*\* 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

-97.30 -1.55 0.24 1.43 401.47

Coefficients:

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

ejecuciones\_24Meses -0.020178 0.004439 -4.546 5.56e-06 \*\*\*

---

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

Residual standard error: 13.27 on 6987 degrees of freedom

Multiple R-squared(full model): 0.974 Adjusted R-squared: 0.9725

Multiple R-squared(proj model): 0.002949 Adjusted R-squared: -0.05499

F-statistic(full model):645.6 on 406 and 6987 DF, p-value: < 2.2e-16

F-statistic(proj model): 20.67 on 1 and 6987 DF, p-value: 5.555e-06

\*\*\* 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

-168.018 -2.617 0.144 2.345 289.290

Coefficients:

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

ejecuciones\_24Meses 0.041142 0.004552 9.039 <2e-16 \*\*\*

---

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

Residual standard error: 13.61 on 6987 degrees of freedom

Multiple R-squared(full model): 0.9435 Adjusted R-squared: 0.9402

Multiple R-squared(proj model): 0.01156 Adjusted R-squared: -0.04588

F-statistic(full model):287.5 on 406 and 6987 DF, p-value: < 2.2e-16

F-statistic(proj model): 81.7 on 1 and 6987 DF, p-value: < 2.2e-16

\*\*\* 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

-147.423 -2.196 0.146 1.929 297.725

Coefficients:

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

ejecuciones\_24Meses 0.043749 0.003942 11.1 <2e-16 \*\*\*

---

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

Residual standard error: 11.79 on 6987 degrees of freedom

Multiple R-squared(full model): 0.9218 Adjusted R-squared: 0.9173

Multiple R-squared(proj model): 0.01733 Adjusted R-squared: -0.03977

F-statistic(full model):202.9 on 406 and 6987 DF, p-value: < 2.2e-16

F-statistic(proj model): 123.2 on 1 and 6987 DF, p-value: < 2.2e-16

\*\*\* 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

-45.382 -0.490 -0.022 0.427 77.522

Coefficients:

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

ejecuciones\_24Meses -0.002607 0.001125 -2.317 0.0205 \*

---

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

Residual standard error: 3.365 on 6987 degrees of freedom

Multiple R-squared(full model): 0.9617 Adjusted R-squared: 0.9595

Multiple R-squared(proj model): 0.0007679 Adjusted R-squared: -0.0573

F-statistic(full model):432.4 on 406 and 6987 DF, p-value: < 2.2e-16

F-statistic(proj model): 5.369 on 1 and 6987 DF, p-value: 0.02052

\*\*\* 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

-15677 -157 25 161 32777

Coefficients:

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

ejecuciones\_24Meses 1.4731 0.4237 3.477 0.00051 \*\*\*

---

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

Residual standard error: 1267 on 6987 degrees of freedom

Multiple R-squared(full model): 0.9307 Adjusted R-squared: 0.9266

Multiple R-squared(proj model): 0.001727 Adjusted R-squared: -0.05628

F-statistic(full model): 231 on 406 and 6987 DF, p-value: < 2.2e-16

F-statistic(proj model): 12.09 on 1 and 6987 DF, p-value: 0.0005102

\*\*\* 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

-7922.2 -84.1 -1.8 73.9 23022.6

Coefficients:

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

ejecuciones\_24Meses 1.1024 0.1841 5.987 2.24e-09 \*\*\*

---

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

Residual standard error: 550.7 on 6987 degrees of freedom

Multiple R-squared(full model): 0.8892 Adjusted R-squared: 0.8827

Multiple R-squared(proj model): 0.005104 Adjusted R-squared: -0.05271

F-statistic(full model):138.1 on 406 and 6987 DF, p-value: < 2.2e-16

F-statistic(proj model): 35.84 on 1 and 6987 DF, p-value: 2.244e-09

\*\*\* 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

-5464.8 -43.3 20.8 65.3 30796.9

Coefficients:

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

ejecuciones\_24Meses 0.0233 0.2529 0.092 0.927

Residual standard error: 756.2 on 6987 degrees of freedom

Multiple R-squared(full model): 0.873 Adjusted R-squared: 0.8656

Multiple R-squared(proj model): 1.216e-06 Adjusted R-squared: -0.05811

F-statistic(full model):118.3 on 406 and 6987 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.008493 on 1 and 6987 DF, p-value: 0.9266

\*\*\* 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

-480237 -1848 -243 2023 569928

Coefficients:

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

ejecuciones\_24Meses -7.436 6.931 -1.073 0.283

Residual standard error: 20630 on 6587 degrees of freedom

(416 observations deleted due to missingness)

Multiple R-squared(full model): 0.9524 Adjusted R-squared: 0.9496

Multiple R-squared(proj model): 0.0001747 Adjusted R-squared: -0.05902

F-statistic(full model):338.1 on 390 and 6587 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.151 on 1 and 6587 DF, p-value: 0.2834

\*\*\* 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

-404438 -3133 155 3105 740285

Coefficients:

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

ejecuciones\_24Meses 253.0 12.7 19.93 <2e-16 \*\*\*

---

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

Residual standard error: 37790 on 6587 degrees of freedom

(416 observations deleted due to missingness)

Multiple R-squared(full model): 0.7548 Adjusted R-squared: 0.7402

Multiple R-squared(proj model): 0.05687 Adjusted R-squared: 0.00103

F-statistic(full model):51.98 on 390 and 6587 DF, p-value: < 2.2e-16

F-statistic(proj model): 397.2 on 1 and 6587 DF, p-value: < 2.2e-16

\*\*\* 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

-480943 -1970 -150 2073 569668

Coefficients:

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

ejecuciones\_24Meses -7.710 6.908 -1.116 0.264

Residual standard error: 20560 on 6587 degrees of freedom

(416 observations deleted due to missingness)

Multiple R-squared(full model): 0.9526 Adjusted R-squared: 0.9498

Multiple R-squared(proj model): 0.0001891 Adjusted R-squared: -0.05901

F-statistic(full model):339.2 on 390 and 6587 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.246 on 1 and 6587 DF, p-value: 0.2644

\*\*\* 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

-419643 -2963 96 3008 723879

Coefficients:

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

ejecuciones\_24Meses 251.19 12.69 19.79 <2e-16 \*\*\*

---

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

Residual standard error: 37780 on 6587 degrees of freedom

(416 observations deleted due to missingness)

Multiple R-squared(full model): 0.7521 Adjusted R-squared: 0.7374

Multiple R-squared(proj model): 0.05612 Adjusted R-squared: 0.0002367

F-statistic(full model):51.24 on 390 and 6587 DF, p-value: < 2.2e-16

F-statistic(proj model): 391.7 on 1 and 6587 DF, p-value: < 2.2e-16

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