> print(subsectoresList[i])

[1] Impresion e industrias conexas

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

> print(datosTotales6)

[1] 6191

> print(datosProduccion6)

[1] 5209

> summary(regA1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-309.147 -6.124 -0.036 6.108 175.995

Coefficients:

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

ejecuciones\_6Meses -0.001378 0.005922 -0.233 0.816

Residual standard error: 22.01 on 5952 degrees of freedom

Multiple R-squared(full model): 0.9727 Adjusted R-squared: 0.9716

Multiple R-squared(proj model): 9.094e-06 Adjusted R-squared: -0.03998

F-statistic(full model): 890 on 238 and 5952 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.05413 on 1 and 5952 DF, p-value: 0.816

\*\*\* 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

-212.620 -5.191 0.282 4.916 173.619

Coefficients:

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

ejecuciones\_6Meses -0.006173 0.005177 -1.192 0.233

Residual standard error: 19.24 on 5952 degrees of freedom

Multiple R-squared(full model): 0.9557 Adjusted R-squared: 0.9539

Multiple R-squared(proj model): 0.0002389 Adjusted R-squared: -0.03974

F-statistic(full model):538.9 on 238 and 5952 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.422 on 1 and 5952 DF, p-value: 0.2331

\*\*\* 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

-96.527 -1.639 -0.093 1.470 217.454

Coefficients:

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

ejecuciones\_6Meses 0.004796 0.002246 2.135 0.0328 \*

---

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

Residual standard error: 8.345 on 5952 degrees of freedom

Multiple R-squared(full model): 0.9867 Adjusted R-squared: 0.9862

Multiple R-squared(proj model): 0.0007656 Adjusted R-squared: -0.03919

F-statistic(full model): 1858 on 238 and 5952 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.56 on 1 and 5952 DF, p-value: 0.03276

\*\*\* 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

-75.644 -1.962 -0.022 1.822 73.702

Coefficients:

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

ejecuciones\_6Meses 0.003641 0.001668 2.182 0.0291 \*

---

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

Residual standard error: 6.2 on 5952 degrees of freedom

Multiple R-squared(full model): 0.9526 Adjusted R-squared: 0.9507

Multiple R-squared(proj model): 0.0007995 Adjusted R-squared: -0.03916

F-statistic(full model):502.3 on 238 and 5952 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.763 on 1 and 5952 DF, p-value: 0.02912

\*\*\* 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

-52.251 -1.575 0.008 1.412 45.284

Coefficients:

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

ejecuciones\_6Meses 0.002312 0.001338 1.729 0.0839 .

---

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

Residual standard error: 4.971 on 5952 degrees of freedom

Multiple R-squared(full model): 0.9329 Adjusted R-squared: 0.9302

Multiple R-squared(proj model): 0.0005018 Adjusted R-squared: -0.03946

F-statistic(full model):347.8 on 238 and 5952 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.988 on 1 and 5952 DF, p-value: 0.08391

\*\*\* 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

-23.393 -0.523 -0.032 0.493 39.559

Coefficients:

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

ejecuciones\_6Meses 0.001329 0.000644 2.063 0.0391 \*

---

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

Residual standard error: 2.393 on 5952 degrees of freedom

Multiple R-squared(full model): 0.9769 Adjusted R-squared: 0.976

Multiple R-squared(proj model): 0.0007147 Adjusted R-squared: -0.03924

F-statistic(full model): 1060 on 238 and 5952 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.257 on 1 and 5952 DF, p-value: 0.03914

\*\*\* 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

-4520.9 -115.1 14.6 97.8 8912.0

Coefficients:

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

ejecuciones\_6Meses -0.1205 0.1347 -0.894 0.371

Residual standard error: 500.5 on 5952 degrees of freedom

Multiple R-squared(full model): 0.9154 Adjusted R-squared: 0.9121

Multiple R-squared(proj model): 0.0001344 Adjusted R-squared: -0.03985

F-statistic(full model):270.7 on 238 and 5952 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.7999 on 1 and 5952 DF, p-value: 0.3712

\*\*\* 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

-2720.8 -61.9 1.4 46.5 3809.6

Coefficients:

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

ejecuciones\_6Meses -0.02467 0.06138 -0.402 0.688

Residual standard error: 228.1 on 5952 degrees of freedom

Multiple R-squared(full model): 0.8882 Adjusted R-squared: 0.8837

Multiple R-squared(proj model): 2.714e-05 Adjusted R-squared: -0.03996

F-statistic(full model):198.6 on 238 and 5952 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1615 on 1 and 5952 DF, p-value: 0.6878

\*\*\* 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

-2114.3 -32.2 16.1 38.0 6732.7

Coefficients:

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

ejecuciones\_6Meses -0.01784 0.08228 -0.217 0.828

Residual standard error: 305.8 on 5952 degrees of freedom

Multiple R-squared(full model): 0.8802 Adjusted R-squared: 0.8754

Multiple R-squared(proj model): 7.895e-06 Adjusted R-squared: -0.03998

F-statistic(full model):183.8 on 238 and 5952 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.04699 on 1 and 5952 DF, p-value: 0.8284

\*\*\* 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

-1058014 -4248 -190 3943 1599553

Coefficients:

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

ejecuciones\_6Meses 4.523 15.894 0.285 0.776

Residual standard error: 58890 on 4994 degrees of freedom

(982 observations deleted due to missingness)

Multiple R-squared(full model): 0.8089 Adjusted R-squared: 0.8007

Multiple R-squared(proj model): 1.621e-05 Adjusted R-squared: -0.04283

F-statistic(full model):98.76 on 214 and 4994 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.08097 on 1 and 4994 DF, p-value: 0.776

\*\*\* 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

-47095 -1321 -147 1032 109103

Coefficients:

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

ejecuciones\_6Meses -4.506 1.648 -2.735 0.00626 \*\*

---

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

Residual standard error: 6105 on 4994 degrees of freedom

(982 observations deleted due to missingness)

Multiple R-squared(full model): 0.7978 Adjusted R-squared: 0.7891

Multiple R-squared(proj model): 0.001496 Adjusted R-squared: -0.04129

F-statistic(full model):92.08 on 214 and 4994 DF, p-value: < 2.2e-16

F-statistic(proj model): 7.48 on 1 and 4994 DF, p-value: 0.006259

\*\*\* 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

-815015 -3819 -372 3467 1201466

Coefficients:

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

ejecuciones\_6Meses -0.7218 13.9032 -0.052 0.959

Residual standard error: 51520 on 4994 degrees of freedom

(982 observations deleted due to missingness)

Multiple R-squared(full model): 0.8002 Adjusted R-squared: 0.7916

Multiple R-squared(proj model): 5.398e-07 Adjusted R-squared: -0.04285

F-statistic(full model):93.45 on 214 and 4994 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.002696 on 1 and 4994 DF, p-value: 0.9586

\*\*\* 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

-35998 -1249 -128 1003 109105

Coefficients:

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

ejecuciones\_6Meses -4.432 1.551 -2.857 0.00429 \*\*

---

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

Residual standard error: 5748 on 4994 degrees of freedom

(982 observations deleted due to missingness)

Multiple R-squared(full model): 0.7967 Adjusted R-squared: 0.7879

Multiple R-squared(proj model): 0.001632 Adjusted R-squared: -0.04115

F-statistic(full model):91.43 on 214 and 4994 DF, p-value: < 2.2e-16

F-statistic(proj model): 8.165 on 1 and 4994 DF, p-value: 0.004288

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

>

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

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

> print(datosTotales12)

[1] 5446

> print(datosProduccion12)

[1] 4574

> summary(regB1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-150.281 -6.112 0.161 5.654 190.238

Coefficients:

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

ejecuciones\_12Meses -0.001033 0.003364 -0.307 0.759

Residual standard error: 20.53 on 5212 degrees of freedom

Multiple R-squared(full model): 0.9764 Adjusted R-squared: 0.9753

Multiple R-squared(proj model): 1.81e-05 Adjusted R-squared: -0.04469

F-statistic(full model):925.2 on 233 and 5212 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.09431 on 1 and 5212 DF, p-value: 0.7588

\*\*\* 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

-124.305 -5.093 0.295 4.381 188.549

Coefficients:

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

ejecuciones\_12Meses -0.001668 0.002980 -0.56 0.576

Residual standard error: 18.19 on 5212 degrees of freedom

Multiple R-squared(full model): 0.9604 Adjusted R-squared: 0.9586

Multiple R-squared(proj model): 6.012e-05 Adjusted R-squared: -0.04464

F-statistic(full model):542.7 on 233 and 5212 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3134 on 1 and 5212 DF, p-value: 0.5756

\*\*\* 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

-84.184 -1.459 -0.084 1.386 217.131

Coefficients:

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

ejecuciones\_12Meses 0.0006349 0.0013128 0.484 0.629

Residual standard error: 8.013 on 5212 degrees of freedom

Multiple R-squared(full model): 0.988 Adjusted R-squared: 0.9874

Multiple R-squared(proj model): 4.488e-05 Adjusted R-squared: -0.04466

F-statistic(full model): 1838 on 233 and 5212 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2339 on 1 and 5212 DF, p-value: 0.6286

\*\*\* 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

-48.909 -1.907 0.017 1.699 73.773

Coefficients:

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

ejecuciones\_12Meses 0.0005333 0.0009710 0.549 0.583

Residual standard error: 5.927 on 5212 degrees of freedom

Multiple R-squared(full model): 0.9567 Adjusted R-squared: 0.9548

Multiple R-squared(proj model): 5.786e-05 Adjusted R-squared: -0.04464

F-statistic(full model):494.6 on 233 and 5212 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3016 on 1 and 5212 DF, p-value: 0.5829

\*\*\* 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

-28.790 -1.468 0.021 1.290 44.738

Coefficients:

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

ejecuciones\_12Meses 0.0003069 0.0007827 0.392 0.695

Residual standard error: 4.778 on 5212 degrees of freedom

Multiple R-squared(full model): 0.938 Adjusted R-squared: 0.9352

Multiple R-squared(proj model): 2.951e-05 Adjusted R-squared: -0.04467

F-statistic(full model):338.4 on 233 and 5212 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1538 on 1 and 5212 DF, p-value: 0.6949

\*\*\* 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

-22.252 -0.504 -0.024 0.485 39.537

Coefficients:

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

ejecuciones\_12Meses 0.0002263 0.0003766 0.601 0.548

Residual standard error: 2.299 on 5212 degrees of freedom

Multiple R-squared(full model): 0.979 Adjusted R-squared: 0.9781

Multiple R-squared(proj model): 6.93e-05 Adjusted R-squared: -0.04463

F-statistic(full model): 1044 on 233 and 5212 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3612 on 1 and 5212 DF, p-value: 0.5479

\*\*\* 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

-3112.0 -117.7 15.3 97.9 8635.8

Coefficients:

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

ejecuciones\_12Meses -0.03786 0.08086 -0.468 0.64

Residual standard error: 493.6 on 5212 degrees of freedom

Multiple R-squared(full model): 0.921 Adjusted R-squared: 0.9175

Multiple R-squared(proj model): 4.207e-05 Adjusted R-squared: -0.04466

F-statistic(full model):260.9 on 233 and 5212 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2193 on 1 and 5212 DF, p-value: 0.6396

\*\*\* 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

-2029.5 -61.7 2.3 45.9 3744.5

Coefficients:

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

ejecuciones\_12Meses -0.001776 0.036294 -0.049 0.961

Residual standard error: 221.5 on 5212 degrees of freedom

Multiple R-squared(full model): 0.8996 Adjusted R-squared: 0.8951

Multiple R-squared(proj model): 4.592e-07 Adjusted R-squared: -0.0447

F-statistic(full model):200.3 on 233 and 5212 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.002394 on 1 and 5212 DF, p-value: 0.961

\*\*\* 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

-2172.6 -32.5 17.5 40.9 6647.1

Coefficients:

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

ejecuciones\_12Meses -0.004998 0.051191 -0.098 0.922

Residual standard error: 312.5 on 5212 degrees of freedom

Multiple R-squared(full model): 0.8788 Adjusted R-squared: 0.8734

Multiple R-squared(proj model): 1.829e-06 Adjusted R-squared: -0.0447

F-statistic(full model):162.3 on 233 and 5212 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.009532 on 1 and 5212 DF, p-value: 0.9222

\*\*\* 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

-602752 -3651 -220 3612 1645600

Coefficients:

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

ejecuciones\_12Meses 2.561 8.684 0.295 0.768

Residual standard error: 52880 on 4364 degrees of freedom

(872 observations deleted due to missingness)

Multiple R-squared(full model): 0.8345 Adjusted R-squared: 0.8265

Multiple R-squared(proj model): 1.993e-05 Adjusted R-squared: -0.04787

F-statistic(full model):105.3 on 209 and 4364 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.087 on 1 and 4364 DF, p-value: 0.768

\*\*\* 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

-49153 -1313 -153 1059 107496

Coefficients:

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

ejecuciones\_12Meses -2.139 1.000 -2.139 0.0325 \*

---

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

Residual standard error: 6091 on 4364 degrees of freedom

(872 observations deleted due to missingness)

Multiple R-squared(full model): 0.8043 Adjusted R-squared: 0.795

Multiple R-squared(proj model): 0.001047 Adjusted R-squared: -0.04679

F-statistic(full model):85.84 on 209 and 4364 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.573 on 1 and 4364 DF, p-value: 0.03253

\*\*\* 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

-748684 -3648 -549 3231 1206368

Coefficients:

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

ejecuciones\_12Meses -0.7282 8.0961 -0.09 0.928

Residual standard error: 49310 on 4364 degrees of freedom

(872 observations deleted due to missingness)

Multiple R-squared(full model): 0.8149 Adjusted R-squared: 0.806

Multiple R-squared(proj model): 1.854e-06 Adjusted R-squared: -0.04789

F-statistic(full model):91.92 on 209 and 4364 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.00809 on 1 and 4364 DF, p-value: 0.9283

\*\*\* 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

-36752 -1234 -137 1011 107532

Coefficients:

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

ejecuciones\_12Meses -2.0915 0.9604 -2.178 0.0295 \*

---

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

Residual standard error: 5849 on 4364 degrees of freedom

(872 observations deleted due to missingness)

Multiple R-squared(full model): 0.7979 Adjusted R-squared: 0.7883

Multiple R-squared(proj model): 0.001086 Adjusted R-squared: -0.04675

F-statistic(full model):82.46 on 209 and 4364 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.743 on 1 and 4364 DF, p-value: 0.02947

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

>

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

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

> print(datosTotales24)

[1] 3668

> print(datosProduccion24)

[1] 3080

> summary(regC1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-147.687 -4.391 0.033 4.139 125.529

Coefficients:

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

ejecuciones\_24Meses -0.002960 0.002695 -1.098 0.272

Residual standard error: 17.9 on 3448 degrees of freedom

Multiple R-squared(full model): 0.982 Adjusted R-squared: 0.9809

Multiple R-squared(proj model): 0.0003496 Adjusted R-squared: -0.06314

F-statistic(full model):859.8 on 219 and 3448 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.206 on 1 and 3448 DF, p-value: 0.2722

\*\*\* 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

-102.615 -3.599 0.061 3.213 112.821

Coefficients:

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

ejecuciones\_24Meses -0.002060 0.002339 -0.881 0.379

Residual standard error: 15.54 on 3448 degrees of freedom

Multiple R-squared(full model): 0.9705 Adjusted R-squared: 0.9686

Multiple R-squared(proj model): 0.0002249 Adjusted R-squared: -0.06328

F-statistic(full model):517.3 on 219 and 3448 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.7755 on 1 and 3448 DF, p-value: 0.3786

\*\*\* 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

-80.515 -1.356 -0.025 1.260 214.403

Coefficients:

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

ejecuciones\_24Meses -0.0009001 0.0011276 -0.798 0.425

Residual standard error: 7.491 on 3448 degrees of freedom

Multiple R-squared(full model): 0.9898 Adjusted R-squared: 0.9892

Multiple R-squared(proj model): 0.0001847 Adjusted R-squared: -0.06332

F-statistic(full model): 1534 on 219 and 3448 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.6371 on 1 and 3448 DF, p-value: 0.4248

\*\*\* 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

-43.080 -1.477 0.014 1.374 49.388

Coefficients:

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

ejecuciones\_24Meses -0.0008329 0.0007927 -1.051 0.293

Residual standard error: 5.266 on 3448 degrees of freedom

Multiple R-squared(full model): 0.9655 Adjusted R-squared: 0.9633

Multiple R-squared(proj model): 0.0003201 Adjusted R-squared: -0.06317

F-statistic(full model):440.3 on 219 and 3448 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.104 on 1 and 3448 DF, p-value: 0.2935

\*\*\* 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

-26.474 -1.150 0.032 1.036 41.747

Coefficients:

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

ejecuciones\_24Meses -0.0002995 0.0006327 -0.473 0.636

Residual standard error: 4.203 on 3448 degrees of freedom

Multiple R-squared(full model): 0.9508 Adjusted R-squared: 0.9477

Multiple R-squared(proj model): 6.499e-05 Adjusted R-squared: -0.06345

F-statistic(full model):304.3 on 219 and 3448 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2241 on 1 and 3448 DF, p-value: 0.636

\*\*\* 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

-20.923 -0.441 -0.017 0.430 39.119

Coefficients:

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

ejecuciones\_24Meses -0.0005333 0.0002998 -1.779 0.0754 .

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

Residual standard error: 1.992 on 3448 degrees of freedom

Multiple R-squared(full model): 0.9847 Adjusted R-squared: 0.9837

Multiple R-squared(proj model): 0.0009169 Adjusted R-squared: -0.06254

F-statistic(full model): 1014 on 219 and 3448 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.164 on 1 and 3448 DF, p-value: 0.07536

\*\*\* 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

-2921.1 -113.8 19.2 101.8 8076.5

Coefficients:

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

ejecuciones\_24Meses -0.05494 0.07535 -0.729 0.466

Residual standard error: 500.5 on 3448 degrees of freedom

Multiple R-squared(full model): 0.9246 Adjusted R-squared: 0.9198

Multiple R-squared(proj model): 0.0001542 Adjusted R-squared: -0.06335

F-statistic(full model):193.1 on 219 and 3448 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.5316 on 1 and 3448 DF, p-value: 0.466

\*\*\* 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

-1364.6 -63.6 5.0 45.9 3687.7

Coefficients:

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

ejecuciones\_24Meses -0.01885 0.03296 -0.572 0.567

Residual standard error: 218.9 on 3448 degrees of freedom

Multiple R-squared(full model): 0.9117 Adjusted R-squared: 0.9061

Multiple R-squared(proj model): 9.487e-05 Adjusted R-squared: -0.06341

F-statistic(full model):162.6 on 219 and 3448 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3272 on 1 and 3448 DF, p-value: 0.5674

\*\*\* 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

-2071.8 -29.1 18.6 43.8 6218.3

Coefficients:

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

ejecuciones\_24Meses -0.02517 0.04826 -0.522 0.602

Residual standard error: 320.6 on 3448 degrees of freedom

Multiple R-squared(full model): 0.8814 Adjusted R-squared: 0.8738

Multiple R-squared(proj model): 7.891e-05 Adjusted R-squared: -0.06343

F-statistic(full model): 117 on 219 and 3448 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2721 on 1 and 3448 DF, p-value: 0.602

\*\*\* 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

-508265 -3710 -887 3216 786773

Coefficients:

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

ejecuciones\_24Meses -0.5727 6.2770 -0.091 0.927

Residual standard error: 41610 on 2887 degrees of freedom

(588 observations deleted due to missingness)

Multiple R-squared(full model): 0.878 Adjusted R-squared: 0.8699

Multiple R-squared(proj model): 2.884e-06 Adjusted R-squared: -0.0665

F-statistic(full model):108.2 on 192 and 2887 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.008325 on 1 and 2887 DF, p-value: 0.9273

\*\*\* 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

-41024 -1224 -161 1077 103236

Coefficients:

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

ejecuciones\_24Meses -0.3431 0.9141 -0.375 0.707

Residual standard error: 6060 on 2887 degrees of freedom

(588 observations deleted due to missingness)

Multiple R-squared(full model): 0.8204 Adjusted R-squared: 0.8085

Multiple R-squared(proj model): 4.88e-05 Adjusted R-squared: -0.06645

F-statistic(full model):68.69 on 192 and 2887 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1409 on 1 and 2887 DF, p-value: 0.7074

\*\*\* 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

-806341 -3670 -863 3340 839962

Coefficients:

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

ejecuciones\_24Meses -1.166 6.911 -0.169 0.866

Residual standard error: 45820 on 2887 degrees of freedom

(588 observations deleted due to missingness)

Multiple R-squared(full model): 0.8456 Adjusted R-squared: 0.8353

Multiple R-squared(proj model): 9.861e-06 Adjusted R-squared: -0.06649

F-statistic(full model):82.36 on 192 and 2887 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.02847 on 1 and 2887 DF, p-value: 0.866

\*\*\* 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

-40795 -1176 -162 1056 103307

Coefficients:

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

ejecuciones\_24Meses -0.2933 0.8903 -0.329 0.742

Residual standard error: 5902 on 2887 degrees of freedom

(588 observations deleted due to missingness)

Multiple R-squared(full model): 0.8106 Adjusted R-squared: 0.798

Multiple R-squared(proj model): 3.758e-05 Adjusted R-squared: -0.06646

F-statistic(full model):64.35 on 192 and 2887 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1085 on 1 and 2887 DF, p-value: 0.7419

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