> print(subsectoresList[i])

[1] Industria alimentaria

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

> print(datosTotales6)

[1] 37531

> print(datosProduccion6)

[1] 33500

> summary(regA1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-1493.14 -9.55 -0.43 9.49 2622.13

Coefficients:

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

ejecuciones\_6Meses -0.015044 0.009941 -1.513 0.13

Residual standard error: 83.6 on 36354 degrees of freedom

Multiple R-squared(full model): 0.9829 Adjusted R-squared: 0.9824

Multiple R-squared(proj model): 6.299e-05 Adjusted R-squared: -0.03228

F-statistic(full model): 1778 on 1176 and 36354 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.29 on 1 and 36354 DF, p-value: 0.1302

\*\*\* 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

-1488.09 -7.92 0.14 7.32 1381.87

Coefficients:

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

ejecuciones\_6Meses 0.004930 0.006968 0.707 0.479

Residual standard error: 58.6 on 36354 degrees of freedom

Multiple R-squared(full model): 0.9709 Adjusted R-squared: 0.97

Multiple R-squared(proj model): 1.377e-05 Adjusted R-squared: -0.03233

F-statistic(full model): 1033 on 1176 and 36354 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.5005 on 1 and 36354 DF, p-value: 0.4793

\*\*\* 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

-672.38 -3.39 0.38 2.53 2150.09

Coefficients:

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

ejecuciones\_6Meses -0.019973 0.005786 -3.452 0.000557 \*\*\*

---

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

Residual standard error: 48.66 on 36354 degrees of freedom

Multiple R-squared(full model): 0.9855 Adjusted R-squared: 0.9851

Multiple R-squared(proj model): 0.0003277 Adjusted R-squared: -0.03201

F-statistic(full model): 2108 on 1176 and 36354 DF, p-value: < 2.2e-16

F-statistic(proj model): 11.92 on 1 and 36354 DF, p-value: 0.0005567

\*\*\* 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

-403.71 -2.70 -0.05 2.50 571.43

Coefficients:

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

ejecuciones\_6Meses -0.003599 0.002402 -1.499 0.134

Residual standard error: 20.2 on 36354 degrees of freedom

Multiple R-squared(full model): 0.9795 Adjusted R-squared: 0.9788

Multiple R-squared(proj model): 6.177e-05 Adjusted R-squared: -0.03228

F-statistic(full model): 1476 on 1176 and 36354 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.246 on 1 and 36354 DF, p-value: 0.134

\*\*\* 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

-306.262 -2.161 0.013 1.839 303.060

Coefficients:

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

ejecuciones\_6Meses 0.001057 0.001689 0.626 0.531

Residual standard error: 14.21 on 36354 degrees of freedom

Multiple R-squared(full model): 0.9613 Adjusted R-squared: 0.9601

Multiple R-squared(proj model): 1.077e-05 Adjusted R-squared: -0.03234

F-statistic(full model):768.9 on 1176 and 36354 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3916 on 1 and 36354 DF, p-value: 0.5314

\*\*\* 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

-402.08 -0.93 0.00 0.84 469.07

Coefficients:

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

ejecuciones\_6Meses -0.004656 0.001372 -3.394 0.000689 \*\*\*

---

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

Residual standard error: 11.54 on 36354 degrees of freedom

Multiple R-squared(full model): 0.9848 Adjusted R-squared: 0.9844

Multiple R-squared(proj model): 0.0003168 Adjusted R-squared: -0.03202

F-statistic(full model): 2009 on 1176 and 36354 DF, p-value: < 2.2e-16

F-statistic(proj model): 11.52 on 1 and 36354 DF, p-value: 0.0006893

\*\*\* 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

-30007 -166 28 179 60811

Coefficients:

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

ejecuciones\_6Meses -0.1410 0.2067 -0.682 0.495

Residual standard error: 1738 on 36354 degrees of freedom

Multiple R-squared(full model): 0.9682 Adjusted R-squared: 0.9672

Multiple R-squared(proj model): 1.279e-05 Adjusted R-squared: -0.03234

F-statistic(full model): 942 on 1176 and 36354 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.465 on 1 and 36354 DF, p-value: 0.4953

\*\*\* 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

-5885.6 -76.8 11.3 87.6 23023.9

Coefficients:

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

ejecuciones\_6Meses 0.26135 0.09109 2.869 0.00412 \*\*

---

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

Residual standard error: 766 on 36354 degrees of freedom

Multiple R-squared(full model): 0.8904 Adjusted R-squared: 0.8869

Multiple R-squared(proj model): 0.0002264 Adjusted R-squared: -0.03211

F-statistic(full model):251.2 on 1176 and 36354 DF, p-value: < 2.2e-16

F-statistic(proj model): 8.233 on 1 and 36354 DF, p-value: 0.004116

\*\*\* 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

-13763.0 -52.8 14.6 60.1 23990.1

Coefficients:

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

ejecuciones\_6Meses -0.35785 0.08681 -4.122 3.76e-05 \*\*\*

---

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

Residual standard error: 730 on 36354 degrees of freedom

Multiple R-squared(full model): 0.9798 Adjusted R-squared: 0.9791

Multiple R-squared(proj model): 0.0004672 Adjusted R-squared: -0.03187

F-statistic(full model): 1499 on 1176 and 36354 DF, p-value: < 2.2e-16

F-statistic(proj model): 16.99 on 1 and 36354 DF, p-value: 3.761e-05

\*\*\* 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

-128026 -605 74 475 179592

Coefficients:

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

ejecuciones\_6Meses -1.3982 0.6558 -2.132 0.033 \*

---

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

Residual standard error: 4918 on 32418 degrees of freedom

(4031 observations deleted due to missingness)

Multiple R-squared(full model): 0.8886 Adjusted R-squared: 0.8849

Multiple R-squared(proj model): 0.0001402 Adjusted R-squared: -0.0332

F-statistic(full model):239.2 on 1081 and 32418 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.546 on 1 and 32418 DF, p-value: 0.033

\*\*\* 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

-330572 -5511 -415 4952 796035

Coefficients:

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

ejecuciones\_6Meses -6.243 3.611 -1.729 0.0838 .

---

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

Residual standard error: 27080 on 32418 degrees of freedom

(4031 observations deleted due to missingness)

Multiple R-squared(full model): 0.9332 Adjusted R-squared: 0.931

Multiple R-squared(proj model): 9.22e-05 Adjusted R-squared: -0.03325

F-statistic(full model):418.8 on 1081 and 32418 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.989 on 1 and 32418 DF, p-value: 0.08384

\*\*\* 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

-133097 -291 -13 253 193650

Coefficients:

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

ejecuciones\_6Meses -1.2249 0.5865 -2.088 0.0368 \*

---

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

Residual standard error: 4399 on 32418 degrees of freedom

(4031 observations deleted due to missingness)

Multiple R-squared(full model): 0.9082 Adjusted R-squared: 0.9052

Multiple R-squared(proj model): 0.0001345 Adjusted R-squared: -0.03321

F-statistic(full model):296.8 on 1081 and 32418 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.361 on 1 and 32418 DF, p-value: 0.03678

\*\*\* 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

-270603 -4755 -630 4514 408700

Coefficients:

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

ejecuciones\_6Meses -5.164 2.968 -1.74 0.0819 .

---

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

Residual standard error: 22260 on 32418 degrees of freedom

(4031 observations deleted due to missingness)

Multiple R-squared(full model): 0.9526 Adjusted R-squared: 0.951

Multiple R-squared(proj model): 9.339e-05 Adjusted R-squared: -0.03325

F-statistic(full model): 603 on 1081 and 32418 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.028 on 1 and 32418 DF, p-value: 0.08187

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

>

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

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

> print(datosTotales12)

[1] 33062

> print(datosProduccion12)

[1] 29476

> summary(regB1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-1447.58 -9.41 -0.11 8.97 2906.49

Coefficients:

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

ejecuciones\_12Meses -0.002593 0.005337 -0.486 0.627

Residual standard error: 71.64 on 31890 degrees of freedom

Multiple R-squared(full model): 0.9874 Adjusted R-squared: 0.9869

Multiple R-squared(proj model): 7.403e-06 Adjusted R-squared: -0.03671

F-statistic(full model): 2135 on 1171 and 31890 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2361 on 1 and 31890 DF, p-value: 0.6271

\*\*\* 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

-1441.76 -7.70 0.02 7.04 1194.94

Coefficients:

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

ejecuciones\_12Meses 0.005980 0.003993 1.498 0.134

Residual standard error: 53.6 on 31890 degrees of freedom

Multiple R-squared(full model): 0.9758 Adjusted R-squared: 0.9749

Multiple R-squared(proj model): 7.032e-05 Adjusted R-squared: -0.03665

F-statistic(full model): 1099 on 1171 and 31890 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.243 on 1 and 31890 DF, p-value: 0.1343

\*\*\* 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

-535.23 -2.47 0.17 2.13 2358.26

Coefficients:

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

ejecuciones\_12Meses -0.008573 0.002918 -2.938 0.0033 \*\*

---

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

Residual standard error: 39.17 on 31890 degrees of freedom

Multiple R-squared(full model): 0.9905 Adjusted R-squared: 0.9902

Multiple R-squared(proj model): 0.0002706 Adjusted R-squared: -0.03644

F-statistic(full model): 2844 on 1171 and 31890 DF, p-value: < 2.2e-16

F-statistic(proj model): 8.633 on 1 and 31890 DF, p-value: 0.003304

\*\*\* 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

-399.35 -2.63 -0.03 2.42 565.44

Coefficients:

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

ejecuciones\_12Meses -0.0008212 0.0013590 -0.604 0.546

Residual standard error: 18.24 on 31890 degrees of freedom

Multiple R-squared(full model): 0.9832 Adjusted R-squared: 0.9826

Multiple R-squared(proj model): 1.145e-05 Adjusted R-squared: -0.03671

F-statistic(full model): 1592 on 1171 and 31890 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3652 on 1 and 31890 DF, p-value: 0.5457

\*\*\* 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

-294.680 -2.111 0.026 1.815 190.692

Coefficients:

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

ejecuciones\_12Meses 0.0013493 0.0009964 1.354 0.176

Residual standard error: 13.37 on 31890 degrees of freedom

Multiple R-squared(full model): 0.9658 Adjusted R-squared: 0.9646

Multiple R-squared(proj model): 5.75e-05 Adjusted R-squared: -0.03666

F-statistic(full model):770.2 on 1171 and 31890 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.834 on 1 and 31890 DF, p-value: 0.1757

\*\*\* 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

-399.31 -0.81 -0.02 0.77 458.09

Coefficients:

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

ejecuciones\_12Meses -0.002171 0.000741 -2.929 0.0034 \*\*

---

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

Residual standard error: 9.947 on 31890 degrees of freedom

Multiple R-squared(full model): 0.9886 Adjusted R-squared: 0.9882

Multiple R-squared(proj model): 0.000269 Adjusted R-squared: -0.03644

F-statistic(full model): 2363 on 1171 and 31890 DF, p-value: < 2.2e-16

F-statistic(proj model): 8.58 on 1 and 31890 DF, p-value: 0.003402

\*\*\* 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

-24043 -169 34 184 57518

Coefficients:

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

ejecuciones\_12Meses -0.1332 0.1130 -1.178 0.239

Residual standard error: 1518 on 31890 degrees of freedom

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

Multiple R-squared(proj model): 4.354e-05 Adjusted R-squared: -0.03667

F-statistic(full model): 1120 on 1171 and 31890 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.389 on 1 and 31890 DF, p-value: 0.2386

\*\*\* 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

-6093.1 -79.8 12.1 92.9 22005.8

Coefficients:

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

ejecuciones\_12Meses 0.12752 0.05312 2.401 0.0164 \*

---

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

Residual standard error: 713 on 31890 degrees of freedom

Multiple R-squared(full model): 0.9062 Adjusted R-squared: 0.9028

Multiple R-squared(proj model): 0.0001807 Adjusted R-squared: -0.03653

F-statistic(full model):263.2 on 1171 and 31890 DF, p-value: < 2.2e-16

F-statistic(proj model): 5.763 on 1 and 31890 DF, p-value: 0.01638

\*\*\* 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

-13792.0 -55.8 17.7 63.3 23440.6

Coefficients:

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

ejecuciones\_12Meses -0.21848 0.04949 -4.415 1.01e-05 \*\*\*

---

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

Residual standard error: 664.3 on 31890 degrees of freedom

Multiple R-squared(full model): 0.9836 Adjusted R-squared: 0.983

Multiple R-squared(proj model): 0.0006108 Adjusted R-squared: -0.03609

F-statistic(full model): 1637 on 1171 and 31890 DF, p-value: < 2.2e-16

F-statistic(proj model): 19.49 on 1 and 31890 DF, p-value: 1.014e-05

\*\*\* 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

-135028 -587 59 490 163432

Coefficients:

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

ejecuciones\_12Meses -0.7357 0.3990 -1.844 0.0652 .

---

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

Residual standard error: 4746 on 28399 degrees of freedom

(3586 observations deleted due to missingness)

Multiple R-squared(full model): 0.903 Adjusted R-squared: 0.8994

Multiple R-squared(proj model): 0.0001197 Adjusted R-squared: -0.03776

F-statistic(full model):245.8 on 1076 and 28399 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.399 on 1 and 28399 DF, p-value: 0.06524

\*\*\* 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

-338864 -5085 -9 4169 808270

Coefficients:

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

ejecuciones\_12Meses -3.59 2.27 -1.582 0.114

Residual standard error: 27000 on 28399 degrees of freedom

(3586 observations deleted due to missingness)

Multiple R-squared(full model): 0.9358 Adjusted R-squared: 0.9333

Multiple R-squared(proj model): 8.807e-05 Adjusted R-squared: -0.0378

F-statistic(full model):384.6 on 1076 and 28399 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.501 on 1 and 28399 DF, p-value: 0.1138

\*\*\* 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

-128126 -282 -6 238 177164

Coefficients:

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

ejecuciones\_12Meses -0.7790 0.3498 -2.227 0.0259 \*

---

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

Residual standard error: 4160 on 28399 degrees of freedom

(3586 observations deleted due to missingness)

Multiple R-squared(full model): 0.9232 Adjusted R-squared: 0.9203

Multiple R-squared(proj model): 0.0001746 Adjusted R-squared: -0.03771

F-statistic(full model):317.2 on 1076 and 28399 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.96 on 1 and 28399 DF, p-value: 0.02594

\*\*\* 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

-270871 -4302 -555 3966 404851

Coefficients:

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

ejecuciones\_12Meses -3.668 1.828 -2.006 0.0448 \*

---

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

Residual standard error: 21740 on 28399 degrees of freedom

(3586 observations deleted due to missingness)

Multiple R-squared(full model): 0.9563 Adjusted R-squared: 0.9546

Multiple R-squared(proj model): 0.0001417 Adjusted R-squared: -0.03774

F-statistic(full model): 577 on 1076 and 28399 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.025 on 1 and 28399 DF, p-value: 0.04483

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

>

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

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

> print(datosTotales24)

[1] 22471

> print(datosProduccion24)

[1] 19973

> summary(regC1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-1479.44 -8.02 -0.23 7.23 1655.77

Coefficients:

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

ejecuciones\_24Meses 0.0006326 0.0040614 0.156 0.876

Residual standard error: 57.75 on 21333 degrees of freedom

Multiple R-squared(full model): 0.9919 Adjusted R-squared: 0.9914

Multiple R-squared(proj model): 1.137e-06 Adjusted R-squared: -0.0533

F-statistic(full model): 2287 on 1137 and 21333 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.02426 on 1 and 21333 DF, p-value: 0.8762

\*\*\* 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

-1469.45 -6.76 -0.16 5.93 590.93

Coefficients:

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

ejecuciones\_24Meses 0.0005523 0.0034417 0.16 0.873

Residual standard error: 48.94 on 21333 degrees of freedom

Multiple R-squared(full model): 0.9803 Adjusted R-squared: 0.9792

Multiple R-squared(proj model): 1.207e-06 Adjusted R-squared: -0.0533

F-statistic(full model):933.1 on 1137 and 21333 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.02575 on 1 and 21333 DF, p-value: 0.8725

\*\*\* 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

-298.71 -1.89 0.08 1.56 1701.52

Coefficients:

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

ejecuciones\_24Meses 8.031e-05 1.746e-03 0.046 0.963

Residual standard error: 24.83 on 21333 degrees of freedom

Multiple R-squared(full model): 0.9962 Adjusted R-squared: 0.996

Multiple R-squared(proj model): 9.918e-08 Adjusted R-squared: -0.0533

F-statistic(full model): 4902 on 1137 and 21333 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.002116 on 1 and 21333 DF, p-value: 0.9633

\*\*\* 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

-333.45 -2.27 0.00 2.08 372.73

Coefficients:

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

ejecuciones\_24Meses 0.001185 0.001095 1.082 0.279

Residual standard error: 15.57 on 21333 degrees of freedom

Multiple R-squared(full model): 0.9877 Adjusted R-squared: 0.9871

Multiple R-squared(proj model): 5.491e-05 Adjusted R-squared: -0.05324

F-statistic(full model): 1509 on 1137 and 21333 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.171 on 1 and 21333 DF, p-value: 0.2791

\*\*\* 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

-297.339 -1.851 0.040 1.561 127.640

Coefficients:

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

ejecuciones\_24Meses 0.0011762 0.0008693 1.353 0.176

Residual standard error: 12.36 on 21333 degrees of freedom

Multiple R-squared(full model): 0.9715 Adjusted R-squared: 0.97

Multiple R-squared(proj model): 8.582e-05 Adjusted R-squared: -0.05321

F-statistic(full model):639.4 on 1137 and 21333 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.831 on 1 and 21333 DF, p-value: 0.176

\*\*\* 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

-346.97 -0.69 -0.06 0.64 381.65

Coefficients:

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

ejecuciones\_24Meses 8.586e-06 5.225e-04 0.016 0.987

Residual standard error: 7.43 on 21333 degrees of freedom

Multiple R-squared(full model): 0.9936 Adjusted R-squared: 0.9932

Multiple R-squared(proj model): 1.266e-08 Adjusted R-squared: -0.0533

F-statistic(full model): 2892 on 1137 and 21333 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.00027 on 1 and 21333 DF, p-value: 0.9869

\*\*\* 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

-15453 -143 54 192 41406

Coefficients:

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

ejecuciones\_24Meses -0.10665 0.09383 -1.137 0.256

Residual standard error: 1334 on 21333 degrees of freedom

Multiple R-squared(full model): 0.9829 Adjusted R-squared: 0.982

Multiple R-squared(proj model): 6.056e-05 Adjusted R-squared: -0.05323

F-statistic(full model): 1079 on 1137 and 21333 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.292 on 1 and 21333 DF, p-value: 0.2557

\*\*\* 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

-8123.5 -76.0 21.8 85.9 21423.2

Coefficients:

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

ejecuciones\_24Meses 0.002297 0.049165 0.047 0.963

Residual standard error: 699.1 on 21333 degrees of freedom

Multiple R-squared(full model): 0.9135 Adjusted R-squared: 0.9089

Multiple R-squared(proj model): 1.023e-07 Adjusted R-squared: -0.0533

F-statistic(full model):198.2 on 1137 and 21333 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.002183 on 1 and 21333 DF, p-value: 0.9627

\*\*\* 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

-8983.7 -44.4 26.1 58.8 21808.2

Coefficients:

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

ejecuciones\_24Meses -0.05636 0.03998 -1.41 0.159

Residual standard error: 568.5 on 21333 degrees of freedom

Multiple R-squared(full model): 0.9889 Adjusted R-squared: 0.9884

Multiple R-squared(proj model): 9.316e-05 Adjusted R-squared: -0.0532

F-statistic(full model): 1679 on 1137 and 21333 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.988 on 1 and 21333 DF, p-value: 0.1586

\*\*\* 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

-86350 -518 49 463 122173

Coefficients:

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

ejecuciones\_24Meses -0.5257 0.3479 -1.511 0.131

Residual standard error: 4368 on 18931 degrees of freedom

(2498 observations deleted due to missingness)

Multiple R-squared(full model): 0.9291 Adjusted R-squared: 0.9252

Multiple R-squared(proj model): 0.0001206 Adjusted R-squared: -0.05486

F-statistic(full model):238.2 on 1041 and 18931 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.283 on 1 and 18931 DF, p-value: 0.1308

\*\*\* 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

-365421 -4461 169 3602 805088

Coefficients:

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

ejecuciones\_24Meses -2.689 2.207 -1.219 0.223

Residual standard error: 27710 on 18931 degrees of freedom

(2498 observations deleted due to missingness)

Multiple R-squared(full model): 0.938 Adjusted R-squared: 0.9346

Multiple R-squared(proj model): 7.846e-05 Adjusted R-squared: -0.05491

F-statistic(full model): 275 on 1041 and 18931 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.486 on 1 and 18931 DF, p-value: 0.2229

\*\*\* 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

-87981 -281 -10 239 136195

Coefficients:

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

ejecuciones\_24Meses -0.5072 0.3036 -1.67 0.0948 .

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

Residual standard error: 3812 on 18931 degrees of freedom

(2498 observations deleted due to missingness)

Multiple R-squared(full model): 0.9446 Adjusted R-squared: 0.9416

Multiple R-squared(proj model): 0.0001474 Adjusted R-squared: -0.05483

F-statistic(full model):310.2 on 1041 and 18931 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.79 on 1 and 18931 DF, p-value: 0.09484

\*\*\* 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

-276562 -3394 -64 2756 407497

Coefficients:

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

ejecuciones\_24Meses -2.554 1.681 -1.52 0.129

Residual standard error: 21100 on 18931 degrees of freedom

(2498 observations deleted due to missingness)

Multiple R-squared(full model): 0.9621 Adjusted R-squared: 0.96

Multiple R-squared(proj model): 0.000122 Adjusted R-squared: -0.05486

F-statistic(full model):461.8 on 1041 and 18931 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.31 on 1 and 18931 DF, p-value: 0.1286

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