> print(subsectoresList[i])

[1] Fabricacion de productos derivados del petroleo y del carbon

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

> print(datosTotales6)

[1] 2226

> print(datosProduccion6)

[1] 2085

> summary(regA1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-354.69 -14.95 -0.99 14.26 749.21

Coefficients:

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

ejecuciones\_6Meses -0.03278 0.01723 -1.902 0.0573 .

---

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

Residual standard error: 82.43 on 2091 degrees of freedom

Multiple R-squared(full model): 0.9951 Adjusted R-squared: 0.9948

Multiple R-squared(proj model): 0.001728 Adjusted R-squared: -0.06225

F-statistic(full model): 3166 on 134 and 2091 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.619 on 1 and 2091 DF, p-value: 0.05726

\*\*\* 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

-176.27 -9.33 -0.45 8.50 391.00

Coefficients:

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

ejecuciones\_6Meses -0.032337 0.009614 -3.364 0.000783 \*\*\*

---

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

Residual standard error: 45.98 on 2091 degrees of freedom

Multiple R-squared(full model): 0.9946 Adjusted R-squared: 0.9943

Multiple R-squared(proj model): 0.005382 Adjusted R-squared: -0.05836

F-statistic(full model): 2874 on 134 and 2091 DF, p-value: < 2.2e-16

F-statistic(proj model): 11.31 on 1 and 2091 DF, p-value: 0.0007831

\*\*\* 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

-188.83 -6.90 0.21 6.28 362.29

Coefficients:

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

ejecuciones\_6Meses -0.0004473 0.0080854 -0.055 0.956

Residual standard error: 38.67 on 2091 degrees of freedom

Multiple R-squared(full model): 0.9952 Adjusted R-squared: 0.9948

Multiple R-squared(proj model): 1.464e-06 Adjusted R-squared: -0.06408

F-statistic(full model): 3203 on 134 and 2091 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.00306 on 1 and 2091 DF, p-value: 0.9559

\*\*\* 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

-69.013 -3.257 -0.212 2.940 147.891

Coefficients:

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

ejecuciones\_6Meses -0.006431 0.003423 -1.879 0.0604 .

---

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

Residual standard error: 16.37 on 2091 degrees of freedom

Multiple R-squared(full model): 0.9944 Adjusted R-squared: 0.9941

Multiple R-squared(proj model): 0.001685 Adjusted R-squared: -0.06229

F-statistic(full model): 2788 on 134 and 2091 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.53 on 1 and 2091 DF, p-value: 0.06042

\*\*\* 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

-73.781 -2.018 -0.065 1.833 78.232

Coefficients:

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

ejecuciones\_6Meses -0.006127 0.001965 -3.118 0.00185 \*\*

---

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

Residual standard error: 9.4 on 2091 degrees of freedom

Multiple R-squared(full model): 0.9936 Adjusted R-squared: 0.9931

Multiple R-squared(proj model): 0.004626 Adjusted R-squared: -0.05916

F-statistic(full model): 2406 on 134 and 2091 DF, p-value: < 2.2e-16

F-statistic(proj model): 9.719 on 1 and 2091 DF, p-value: 0.001849

\*\*\* 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

-35.909 -1.434 -0.063 1.271 70.273

Coefficients:

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

ejecuciones\_6Meses -0.0003043 0.0016212 -0.188 0.851

Residual standard error: 7.754 on 2091 degrees of freedom

Multiple R-squared(full model): 0.9943 Adjusted R-squared: 0.994

Multiple R-squared(proj model): 1.685e-05 Adjusted R-squared: -0.06407

F-statistic(full model): 2745 on 134 and 2091 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.03523 on 1 and 2091 DF, p-value: 0.8511

\*\*\* 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

-49448 -1940 1951 2934 215331

Coefficients:

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

ejecuciones\_6Meses -2.857 3.357 -0.851 0.395

Residual standard error: 16060 on 2091 degrees of freedom

Multiple R-squared(full model): 0.8679 Adjusted R-squared: 0.8594

Multiple R-squared(proj model): 0.0003464 Adjusted R-squared: -0.06372

F-statistic(full model):102.5 on 134 and 2091 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.7247 on 1 and 2091 DF, p-value: 0.3947

\*\*\* 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

-16425 -559 670 968 82074

Coefficients:

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

ejecuciones\_6Meses -1.069 1.260 -0.848 0.396

Residual standard error: 6028 on 2091 degrees of freedom

Multiple R-squared(full model): 0.7922 Adjusted R-squared: 0.7789

Multiple R-squared(proj model): 0.0003442 Adjusted R-squared: -0.06372

F-statistic(full model):59.49 on 134 and 2091 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.7199 on 1 and 2091 DF, p-value: 0.3963

\*\*\* 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

-27055 -925 1103 1601 134901

Coefficients:

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

ejecuciones\_6Meses -1.635 2.073 -0.789 0.43

Residual standard error: 9914 on 2091 degrees of freedom

Multiple R-squared(full model): 0.7929 Adjusted R-squared: 0.7797

Multiple R-squared(proj model): 0.0002975 Adjusted R-squared: -0.06377

F-statistic(full model):59.75 on 134 and 2091 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.6223 on 1 and 2091 DF, p-value: 0.4303

\*\*\* 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

-530284 -5975 -1124 6359 287169

Coefficients:

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

ejecuciones\_6Meses -6.530 9.221 -0.708 0.479

Residual standard error: 44030 on 1953 degrees of freedom

(141 observations deleted due to missingness)

Multiple R-squared(full model): 0.9827 Adjusted R-squared: 0.9815

Multiple R-squared(proj model): 0.0002567 Adjusted R-squared: -0.0668

F-statistic(full model):845.8 on 131 and 1953 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.5015 on 1 and 1953 DF, p-value: 0.4789

\*\*\* 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

-3197994 -53565 1943 58411 1776115

Coefficients:

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

ejecuciones\_6Meses -86.14 58.93 -1.462 0.144

Residual standard error: 281400 on 1953 degrees of freedom

(141 observations deleted due to missingness)

Multiple R-squared(full model): 0.976 Adjusted R-squared: 0.9744

Multiple R-squared(proj model): 0.001093 Adjusted R-squared: -0.06591

F-statistic(full model):606.1 on 131 and 1953 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.137 on 1 and 1953 DF, p-value: 0.144

\*\*\* 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

-530275 -5973 -1133 6376 287160

Coefficients:

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

ejecuciones\_6Meses -6.512 9.222 -0.706 0.48

Residual standard error: 44040 on 1953 degrees of freedom

(141 observations deleted due to missingness)

Multiple R-squared(full model): 0.9827 Adjusted R-squared: 0.9815

Multiple R-squared(proj model): 0.0002552 Adjusted R-squared: -0.0668

F-statistic(full model):845.7 on 131 and 1953 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.4986 on 1 and 1953 DF, p-value: 0.4802

\*\*\* 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

-3198810 -52836 2243 58307 1776020

Coefficients:

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

ejecuciones\_6Meses -85.55 58.95 -1.451 0.147

Residual standard error: 281500 on 1953 degrees of freedom

(141 observations deleted due to missingness)

Multiple R-squared(full model): 0.976 Adjusted R-squared: 0.9744

Multiple R-squared(proj model): 0.001077 Adjusted R-squared: -0.06593

F-statistic(full model):605.9 on 131 and 1953 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.106 on 1 and 1953 DF, p-value: 0.1469

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

>

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

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

> print(datosTotales12)

[1] 1956

> print(datosProduccion12)

[1] 1830

> summary(regB1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-344.25 -15.86 -1.51 14.49 760.07

Coefficients:

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

ejecuciones\_12Meses -0.01935 0.01047 -1.848 0.0648 .

---

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

Residual standard error: 83.72 on 1826 degrees of freedom

Multiple R-squared(full model): 0.995 Adjusted R-squared: 0.9946

Multiple R-squared(proj model): 0.001866 Adjusted R-squared: -0.06865

F-statistic(full model): 2805 on 129 and 1826 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.413 on 1 and 1826 DF, p-value: 0.06483

\*\*\* 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

-176.45 -10.31 -0.18 8.74 397.96

Coefficients:

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

ejecuciones\_12Meses -0.01928 0.00576 -3.347 0.000835 \*\*\*

---

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

Residual standard error: 46.03 on 1826 degrees of freedom

Multiple R-squared(full model): 0.9946 Adjusted R-squared: 0.9942

Multiple R-squared(proj model): 0.006096 Adjusted R-squared: -0.06412

F-statistic(full model): 2617 on 129 and 1826 DF, p-value: < 2.2e-16

F-statistic(proj model): 11.2 on 1 and 1826 DF, p-value: 0.0008346

\*\*\* 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

-184.93 -7.00 0.04 6.78 362.10

Coefficients:

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

ejecuciones\_12Meses -7.709e-05 4.961e-03 -0.016 0.988

Residual standard error: 39.65 on 1826 degrees of freedom

Multiple R-squared(full model): 0.995 Adjusted R-squared: 0.9946

Multiple R-squared(proj model): 1.322e-07 Adjusted R-squared: -0.07065

F-statistic(full model): 2791 on 129 and 1826 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.0002415 on 1 and 1826 DF, p-value: 0.9876

\*\*\* 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

-66.740 -3.602 -0.092 3.055 150.210

Coefficients:

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

ejecuciones\_12Meses -0.003859 0.002088 -1.848 0.0647 .

---

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

Residual standard error: 16.69 on 1826 degrees of freedom

Multiple R-squared(full model): 0.9943 Adjusted R-squared: 0.9939

Multiple R-squared(proj model): 0.001867 Adjusted R-squared: -0.06865

F-statistic(full model): 2455 on 129 and 1826 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.416 on 1 and 1826 DF, p-value: 0.06473

\*\*\* 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

-71.438 -2.243 0.027 1.959 79.632

Coefficients:

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

ejecuciones\_12Meses -0.003678 0.001188 -3.095 0.002 \*\*

---

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

Residual standard error: 9.498 on 1826 degrees of freedom

Multiple R-squared(full model): 0.9935 Adjusted R-squared: 0.993

Multiple R-squared(proj model): 0.005219 Adjusted R-squared: -0.06506

F-statistic(full model): 2153 on 129 and 1826 DF, p-value: < 2.2e-16

F-statistic(proj model): 9.58 on 1 and 1826 DF, p-value: 0.001997

\*\*\* 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

-35.912 -1.531 -0.040 1.298 70.578

Coefficients:

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

ejecuciones\_12Meses -0.0001807 0.0009967 -0.181 0.856

Residual standard error: 7.966 on 1826 degrees of freedom

Multiple R-squared(full model): 0.9941 Adjusted R-squared: 0.9937

Multiple R-squared(proj model): 1.8e-05 Adjusted R-squared: -0.07063

F-statistic(full model): 2385 on 129 and 1826 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.03287 on 1 and 1826 DF, p-value: 0.8561

\*\*\* 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

-53810 -1990 2229 3136 211055

Coefficients:

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

ejecuciones\_12Meses -0.8972 2.0976 -0.428 0.669

Residual standard error: 16760 on 1826 degrees of freedom

Multiple R-squared(full model): 0.8654 Adjusted R-squared: 0.8559

Multiple R-squared(proj model): 0.0001002 Adjusted R-squared: -0.07054

F-statistic(full model): 91 on 129 and 1826 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1829 on 1 and 1826 DF, p-value: 0.6689

\*\*\* 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

-18037 -449 759 1036 80497

Coefficients:

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

ejecuciones\_12Meses -0.3077 0.7894 -0.39 0.697

Residual standard error: 6309 on 1826 degrees of freedom

Multiple R-squared(full model): 0.7907 Adjusted R-squared: 0.7759

Multiple R-squared(proj model): 8.319e-05 Adjusted R-squared: -0.07056

F-statistic(full model):53.48 on 129 and 1826 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1519 on 1 and 1826 DF, p-value: 0.6968

\*\*\* 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

-29709 -748 1252 1721 132306

Coefficients:

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

ejecuciones\_12Meses -0.4051 1.2982 -0.312 0.755

Residual standard error: 10380 on 1826 degrees of freedom

Multiple R-squared(full model): 0.7914 Adjusted R-squared: 0.7767

Multiple R-squared(proj model): 5.333e-05 Adjusted R-squared: -0.07059

F-statistic(full model):53.71 on 129 and 1826 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.09738 on 1 and 1826 DF, p-value: 0.755

\*\*\* 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

-529150 -6182 -990 6207 290138

Coefficients:

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

ejecuciones\_12Meses -1.821 5.728 -0.318 0.751

Residual standard error: 45700 on 1703 degrees of freedom

(126 observations deleted due to missingness)

Multiple R-squared(full model): 0.9816 Adjusted R-squared: 0.9802

Multiple R-squared(proj model): 5.935e-05 Adjusted R-squared: -0.07392

F-statistic(full model):720.6 on 126 and 1703 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1011 on 1 and 1703 DF, p-value: 0.7506

\*\*\* 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

-3300710 -47608 -1193 54085 1675974

Coefficients:

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

ejecuciones\_12Meses -34.93 35.55 -0.983 0.326

Residual standard error: 283600 on 1703 degrees of freedom

(126 observations deleted due to missingness)

Multiple R-squared(full model): 0.9767 Adjusted R-squared: 0.975

Multiple R-squared(proj model): 0.0005667 Adjusted R-squared: -0.07338

F-statistic(full model):566.3 on 126 and 1703 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.9656 on 1 and 1703 DF, p-value: 0.3259

\*\*\* 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

-529145 -6176 -987 6243 290129

Coefficients:

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

ejecuciones\_12Meses -1.813 5.729 -0.316 0.752

Residual standard error: 45710 on 1703 degrees of freedom

(126 observations deleted due to missingness)

Multiple R-squared(full model): 0.9816 Adjusted R-squared: 0.9802

Multiple R-squared(proj model): 5.881e-05 Adjusted R-squared: -0.07392

F-statistic(full model):720.6 on 126 and 1703 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1002 on 1 and 1703 DF, p-value: 0.7517

\*\*\* 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

-3301601 -48058 -908 54465 1676301

Coefficients:

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

ejecuciones\_12Meses -34.70 35.55 -0.976 0.329

Residual standard error: 283700 on 1703 degrees of freedom

(126 observations deleted due to missingness)

Multiple R-squared(full model): 0.9767 Adjusted R-squared: 0.975

Multiple R-squared(proj model): 0.0005591 Adjusted R-squared: -0.07339

F-statistic(full model):566.2 on 126 and 1703 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.9527 on 1 and 1703 DF, p-value: 0.3292

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

>

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

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

> print(datosTotales24)

[1] 1328

> print(datosProduccion24)

[1] 1238

> summary(regC1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-310.79 -14.67 1.28 13.47 763.47

Coefficients:

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

ejecuciones\_24Meses -0.014605 0.009376 -1.558 0.12

Residual standard error: 82.4 on 1213 degrees of freedom

Multiple R-squared(full model): 0.9952 Adjusted R-squared: 0.9948

Multiple R-squared(proj model): 0.001996 Adjusted R-squared: -0.0918

F-statistic(full model): 2214 on 114 and 1213 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.427 on 1 and 1213 DF, p-value: 0.1196

\*\*\* 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

-181.04 -10.15 0.77 8.79 391.92

Coefficients:

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

ejecuciones\_24Meses -0.013783 0.005211 -2.645 0.00827 \*\*

---

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

Residual standard error: 45.79 on 1213 degrees of freedom

Multiple R-squared(full model): 0.9948 Adjusted R-squared: 0.9943

Multiple R-squared(proj model): 0.005735 Adjusted R-squared: -0.08771

F-statistic(full model): 2022 on 114 and 1213 DF, p-value: < 2.2e-16

F-statistic(proj model): 6.997 on 1 and 1213 DF, p-value: 0.00827

\*\*\* 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

-170.86 -5.67 0.93 5.86 371.55

Coefficients:

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

ejecuciones\_24Meses -0.000822 0.004437 -0.185 0.853

Residual standard error: 39 on 1213 degrees of freedom

Multiple R-squared(full model): 0.9952 Adjusted R-squared: 0.9947

Multiple R-squared(proj model): 2.829e-05 Adjusted R-squared: -0.09395

F-statistic(full model): 2206 on 114 and 1213 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.03431 on 1 and 1213 DF, p-value: 0.8531

\*\*\* 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

-61.118 -3.475 0.121 2.965 149.841

Coefficients:

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

ejecuciones\_24Meses -0.002891 0.001873 -1.543 0.123

Residual standard error: 16.46 on 1213 degrees of freedom

Multiple R-squared(full model): 0.9945 Adjusted R-squared: 0.994

Multiple R-squared(proj model): 0.00196 Adjusted R-squared: -0.09184

F-statistic(full model): 1933 on 114 and 1213 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.382 on 1 and 1213 DF, p-value: 0.123

\*\*\* 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

-70.336 -2.358 0.210 1.961 78.018

Coefficients:

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

ejecuciones\_24Meses -0.002625 0.001091 -2.405 0.0163 \*

---

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

Residual standard error: 9.592 on 1213 degrees of freedom

Multiple R-squared(full model): 0.9935 Adjusted R-squared: 0.9928

Multiple R-squared(proj model): 0.004745 Adjusted R-squared: -0.08879

F-statistic(full model): 1616 on 114 and 1213 DF, p-value: < 2.2e-16

F-statistic(proj model): 5.783 on 1 and 1213 DF, p-value: 0.01633

\*\*\* 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

-33.870 -1.575 0.007 1.232 71.823

Coefficients:

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

ejecuciones\_24Meses -0.0002664 0.0009024 -0.295 0.768

Residual standard error: 7.931 on 1213 degrees of freedom

Multiple R-squared(full model): 0.9943 Adjusted R-squared: 0.9937

Multiple R-squared(proj model): 7.184e-05 Adjusted R-squared: -0.0939

F-statistic(full model): 1846 on 114 and 1213 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.08715 on 1 and 1213 DF, p-value: 0.7679

\*\*\* 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

-48276 -1818 2674 3229 205429

Coefficients:

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

ejecuciones\_24Meses -0.5987 2.0795 -0.288 0.773

Residual standard error: 18280 on 1213 degrees of freedom

Multiple R-squared(full model): 0.8559 Adjusted R-squared: 0.8423

Multiple R-squared(proj model): 6.832e-05 Adjusted R-squared: -0.09391

F-statistic(full model):63.18 on 114 and 1213 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.08288 on 1 and 1213 DF, p-value: 0.7735

\*\*\* 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

-17493 -355 874 1078 78641

Coefficients:

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

ejecuciones\_24Meses -0.2251 0.7842 -0.287 0.774

Residual standard error: 6892 on 1213 degrees of freedom

Multiple R-squared(full model): 0.7783 Adjusted R-squared: 0.7575

Multiple R-squared(proj model): 6.793e-05 Adjusted R-squared: -0.09391

F-statistic(full model):37.36 on 114 and 1213 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.0824 on 1 and 1213 DF, p-value: 0.7741

\*\*\* 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

-28763 -628 1495 1789 129270

Coefficients:

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

ejecuciones\_24Meses -0.2745 1.2896 -0.213 0.831

Residual standard error: 11330 on 1213 degrees of freedom

Multiple R-squared(full model): 0.7791 Adjusted R-squared: 0.7583

Multiple R-squared(proj model): 3.734e-05 Adjusted R-squared: -0.09394

F-statistic(full model):37.52 on 114 and 1213 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.0453 on 1 and 1213 DF, p-value: 0.8315

\*\*\* 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

-514148 -6607 -2345 6041 262549

Coefficients:

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

ejecuciones\_24Meses 2.615 5.508 0.475 0.635

Residual standard error: 48310 on 1126 degrees of freedom

(90 observations deleted due to missingness)

Multiple R-squared(full model): 0.9802 Adjusted R-squared: 0.9782

Multiple R-squared(proj model): 0.0002002 Adjusted R-squared: -0.09836

F-statistic(full model):501.3 on 111 and 1126 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2255 on 1 and 1126 DF, p-value: 0.635

\*\*\* 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

-3053007 -50356 -3632 62079 1613726

Coefficients:

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

ejecuciones\_24Meses -27.15 33.99 -0.799 0.425

Residual standard error: 298100 on 1126 degrees of freedom

(90 observations deleted due to missingness)

Multiple R-squared(full model): 0.9759 Adjusted R-squared: 0.9735

Multiple R-squared(proj model): 0.0005664 Adjusted R-squared: -0.09796

F-statistic(full model): 410 on 111 and 1126 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.6382 on 1 and 1126 DF, p-value: 0.4245

\*\*\* 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

-514152 -6604 -2390 6152 262535

Coefficients:

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

ejecuciones\_24Meses 2.623 5.508 0.476 0.634

Residual standard error: 48310 on 1126 degrees of freedom

(90 observations deleted due to missingness)

Multiple R-squared(full model): 0.9802 Adjusted R-squared: 0.9782

Multiple R-squared(proj model): 0.0002014 Adjusted R-squared: -0.09836

F-statistic(full model):501.3 on 111 and 1126 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2268 on 1 and 1126 DF, p-value: 0.634

\*\*\* 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

-3052956 -51022 -4377 62477 1613959

Coefficients:

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

ejecuciones\_24Meses -27.02 33.99 -0.795 0.427

Residual standard error: 298100 on 1126 degrees of freedom

(90 observations deleted due to missingness)

Multiple R-squared(full model): 0.9759 Adjusted R-squared: 0.9735

Multiple R-squared(proj model): 0.000561 Adjusted R-squared: -0.09796

F-statistic(full model):410.1 on 111 and 1126 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.632 on 1 and 1126 DF, p-value: 0.4268

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