> print(subsectoresList[i])

[1] Fabricacion de equipo de transporte

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

> print(datosTotales6)

[1] 12768

> print(datosProduccion6)

[1] 11670

> summary(regA1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-950.03 -56.20 -3.59 53.80 1368.26

Coefficients:

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

ejecuciones\_6Meses 0.10954 0.07716 1.42 0.156

Residual standard error: 149.9 on 12295 degrees of freedom

Multiple R-squared(full model): 0.9801 Adjusted R-squared: 0.9793

Multiple R-squared(proj model): 0.0001639 Adjusted R-squared: -0.03822

F-statistic(full model): 1281 on 472 and 12295 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.016 on 1 and 12295 DF, p-value: 0.1557

\*\*\* 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

-897.47 -48.02 -3.76 46.60 1282.34

Coefficients:

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

ejecuciones\_6Meses 0.03936 0.06947 0.567 0.571

Residual standard error: 135 on 12295 degrees of freedom

Multiple R-squared(full model): 0.9695 Adjusted R-squared: 0.9684

Multiple R-squared(proj model): 2.61e-05 Adjusted R-squared: -0.03836

F-statistic(full model):828.7 on 472 and 12295 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3209 on 1 and 12295 DF, p-value: 0.5711

\*\*\* 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

-372.74 -11.13 -0.12 9.58 382.34

Coefficients:

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

ejecuciones\_6Meses 0.07018 0.01634 4.296 1.75e-05 \*\*\*

---

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

Residual standard error: 31.74 on 12295 degrees of freedom

Multiple R-squared(full model): 0.9914 Adjusted R-squared: 0.9911

Multiple R-squared(proj model): 0.001499 Adjusted R-squared: -0.03683

F-statistic(full model): 3002 on 472 and 12295 DF, p-value: < 2.2e-16

F-statistic(proj model): 18.46 on 1 and 12295 DF, p-value: 1.752e-05

\*\*\* 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

-742.04 -13.64 -1.62 13.73 467.57

Coefficients:

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

ejecuciones\_6Meses -0.02961 0.02168 -1.366 0.172

Residual standard error: 42.12 on 12295 degrees of freedom

Multiple R-squared(full model): 0.9513 Adjusted R-squared: 0.9494

Multiple R-squared(proj model): 0.0001517 Adjusted R-squared: -0.03823

F-statistic(full model):508.4 on 472 and 12295 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.866 on 1 and 12295 DF, p-value: 0.172

\*\*\* 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

-505.14 -11.43 -1.35 11.62 333.77

Coefficients:

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

ejecuciones\_6Meses -0.03594 0.01828 -1.966 0.0493 \*

---

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

Residual standard error: 35.52 on 12295 degrees of freedom

Multiple R-squared(full model): 0.9352 Adjusted R-squared: 0.9327

Multiple R-squared(proj model): 0.0003142 Adjusted R-squared: -0.03806

F-statistic(full model):375.8 on 472 and 12295 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.864 on 1 and 12295 DF, p-value: 0.04934

\*\*\* 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

-257.290 -2.824 0.033 2.523 164.004

Coefficients:

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

ejecuciones\_6Meses 0.006329 0.005251 1.205 0.228

Residual standard error: 10.2 on 12295 degrees of freedom

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

Multiple R-squared(proj model): 0.0001181 Adjusted R-squared: -0.03827

F-statistic(full model):926.7 on 472 and 12295 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.452 on 1 and 12295 DF, p-value: 0.2282

\*\*\* 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

-160696 -658 -65 737 315031

Coefficients:

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

ejecuciones\_6Meses 3.868 3.009 1.286 0.199

Residual standard error: 5846 on 12295 degrees of freedom

Multiple R-squared(full model): 0.9556 Adjusted R-squared: 0.9539

Multiple R-squared(proj model): 0.0001344 Adjusted R-squared: -0.03825

F-statistic(full model):560.2 on 472 and 12295 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.653 on 1 and 12295 DF, p-value: 0.1986

\*\*\* 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

-52812 -326 -38 351 214966

Coefficients:

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

ejecuciones\_6Meses 0.8757 1.6692 0.525 0.6

Residual standard error: 3243 on 12295 degrees of freedom

Multiple R-squared(full model): 0.8758 Adjusted R-squared: 0.871

Multiple R-squared(proj model): 2.238e-05 Adjusted R-squared: -0.03837

F-statistic(full model):183.7 on 472 and 12295 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2752 on 1 and 12295 DF, p-value: 0.5999

\*\*\* 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

-17803 -178 13 183 168910

Coefficients:

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

ejecuciones\_6Meses 1.695 1.049 1.615 0.106

Residual standard error: 2039 on 12295 degrees of freedom

Multiple R-squared(full model): 0.9196 Adjusted R-squared: 0.9166

Multiple R-squared(proj model): 0.0002121 Adjusted R-squared: -0.03817

F-statistic(full model):298.1 on 472 and 12295 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.609 on 1 and 12295 DF, p-value: 0.1063

\*\*\* 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

-2523067 -22687 -4984 22651 6916023

Coefficients:

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

ejecuciones\_6Meses -85.85 113.02 -0.76 0.447

Residual standard error: 213400 on 11230 degrees of freedom

(1098 observations deleted due to missingness)

Multiple R-squared(full model): 0.8426 Adjusted R-squared: 0.8365

Multiple R-squared(proj model): 5.138e-05 Adjusted R-squared: -0.03904

F-statistic(full model): 137 on 439 and 11230 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.577 on 1 and 11230 DF, p-value: 0.4475

\*\*\* 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

-4389524 -26900 -2000 28212 3122684

Coefficients:

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

ejecuciones\_6Meses -112.7 113.5 -0.992 0.321

Residual standard error: 214400 on 11230 degrees of freedom

(1098 observations deleted due to missingness)

Multiple R-squared(full model): 0.9078 Adjusted R-squared: 0.9041

Multiple R-squared(proj model): 8.771e-05 Adjusted R-squared: -0.039

F-statistic(full model):251.7 on 439 and 11230 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.985 on 1 and 11230 DF, p-value: 0.321

\*\*\* 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

-2525470 -22150 -5043 23831 6917175

Coefficients:

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

ejecuciones\_6Meses -93.73 112.94 -0.83 0.407

Residual standard error: 213300 on 11230 degrees of freedom

(1098 observations deleted due to missingness)

Multiple R-squared(full model): 0.8418 Adjusted R-squared: 0.8356

Multiple R-squared(proj model): 6.133e-05 Adjusted R-squared: -0.03903

F-statistic(full model):136.1 on 439 and 11230 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.6888 on 1 and 11230 DF, p-value: 0.4066

\*\*\* 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

-4160350 -25400 -852 25022 3401743

Coefficients:

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

ejecuciones\_6Meses -129.2 111.8 -1.156 0.248

Residual standard error: 211200 on 11230 degrees of freedom

(1098 observations deleted due to missingness)

Multiple R-squared(full model): 0.9088 Adjusted R-squared: 0.9052

Multiple R-squared(proj model): 0.0001189 Adjusted R-squared: -0.03897

F-statistic(full model):254.8 on 439 and 11230 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.336 on 1 and 11230 DF, p-value: 0.2478

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

>

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

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

> print(datosTotales12)

[1] 11208

> print(datosProduccion12)

[1] 10260

> summary(regB1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-886.23 -54.18 -1.22 50.91 1421.49

Coefficients:

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

ejecuciones\_12Meses 0.02478 0.04935 0.502 0.616

Residual standard error: 145.7 on 10740 degrees of freedom

Multiple R-squared(full model): 0.9809 Adjusted R-squared: 0.9801

Multiple R-squared(proj model): 2.347e-05 Adjusted R-squared: -0.04346

F-statistic(full model): 1182 on 467 and 10740 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2521 on 1 and 10740 DF, p-value: 0.6156

\*\*\* 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

-826.31 -47.70 -1.95 43.68 1341.90

Coefficients:

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

ejecuciones\_12Meses -0.01251 0.04465 -0.28 0.779

Residual standard error: 131.8 on 10740 degrees of freedom

Multiple R-squared(full model): 0.9703 Adjusted R-squared: 0.969

Multiple R-squared(proj model): 7.314e-06 Adjusted R-squared: -0.04347

F-statistic(full model):752.2 on 467 and 10740 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.07856 on 1 and 10740 DF, p-value: 0.7793

\*\*\* 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

-390.63 -10.93 0.83 8.65 398.56

Coefficients:

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

ejecuciones\_12Meses 0.03729 0.01045 3.568 0.000362 \*\*\*

---

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

Residual standard error: 30.85 on 10740 degrees of freedom

Multiple R-squared(full model): 0.9919 Adjusted R-squared: 0.9916

Multiple R-squared(proj model): 0.001184 Adjusted R-squared: -0.04225

F-statistic(full model): 2826 on 467 and 10740 DF, p-value: < 2.2e-16

F-statistic(proj model): 12.73 on 1 and 10740 DF, p-value: 0.0003616

\*\*\* 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

-705.34 -13.09 -1.31 13.08 466.88

Coefficients:

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

ejecuciones\_12Meses -0.03233 0.01395 -2.317 0.0205 \*

---

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

Residual standard error: 41.19 on 10740 degrees of freedom

Multiple R-squared(full model): 0.9518 Adjusted R-squared: 0.9497

Multiple R-squared(proj model): 0.0004996 Adjusted R-squared: -0.04296

F-statistic(full model):454.2 on 467 and 10740 DF, p-value: < 2.2e-16

F-statistic(proj model): 5.368 on 1 and 10740 DF, p-value: 0.02053

\*\*\* 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

-477.18 -11.26 -1.26 11.36 354.88

Coefficients:

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

ejecuciones\_12Meses -0.03441 0.01175 -2.927 0.00343 \*\*

---

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

Residual standard error: 34.7 on 10740 degrees of freedom

Multiple R-squared(full model): 0.9357 Adjusted R-squared: 0.9329

Multiple R-squared(proj model): 0.000797 Adjusted R-squared: -0.04265

F-statistic(full model):334.4 on 467 and 10740 DF, p-value: < 2.2e-16

F-statistic(proj model): 8.567 on 1 and 10740 DF, p-value: 0.003431

\*\*\* 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

-248.587 -2.602 0.015 2.291 172.737

Coefficients:

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

ejecuciones\_12Meses 0.002079 0.003436 0.605 0.545

Residual standard error: 10.14 on 10740 degrees of freedom

Multiple R-squared(full model): 0.9726 Adjusted R-squared: 0.9714

Multiple R-squared(proj model): 3.409e-05 Adjusted R-squared: -0.04345

F-statistic(full model): 817 on 467 and 10740 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3661 on 1 and 10740 DF, p-value: 0.5451

\*\*\* 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

-168833 -656 -36 713 306893

Coefficients:

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

ejecuciones\_12Meses 1.326 2.010 0.659 0.51

Residual standard error: 5935 on 10740 degrees of freedom

Multiple R-squared(full model): 0.9561 Adjusted R-squared: 0.9542

Multiple R-squared(proj model): 4.048e-05 Adjusted R-squared: -0.04344

F-statistic(full model):500.6 on 467 and 10740 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.4347 on 1 and 10740 DF, p-value: 0.5097

\*\*\* 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

-57381 -324 -40 377 210387

Coefficients:

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

ejecuciones\_12Meses 0.07965 1.12520 0.071 0.944

Residual standard error: 3321 on 10740 degrees of freedom

Multiple R-squared(full model): 0.8771 Adjusted R-squared: 0.8718

Multiple R-squared(proj model): 4.666e-07 Adjusted R-squared: -0.04348

F-statistic(full model):164.2 on 467 and 10740 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.005011 on 1 and 10740 DF, p-value: 0.9436

\*\*\* 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

-16856 -170 37 181 167231

Coefficients:

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

ejecuciones\_12Meses 0.7719 0.7127 1.083 0.279

Residual standard error: 2104 on 10740 degrees of freedom

Multiple R-squared(full model): 0.9179 Adjusted R-squared: 0.9143

Multiple R-squared(proj model): 0.0001092 Adjusted R-squared: -0.04337

F-statistic(full model): 257 on 467 and 10740 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.173 on 1 and 10740 DF, p-value: 0.2788

\*\*\* 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

-2044289 -22879 -7727 25784 3509611

Coefficients:

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

ejecuciones\_12Meses -91.20 64.94 -1.404 0.16

Residual standard error: 185300 on 9825 degrees of freedom

(948 observations deleted due to missingness)

Multiple R-squared(full model): 0.8654 Adjusted R-squared: 0.8595

Multiple R-squared(proj model): 0.0002007 Adjusted R-squared: -0.04396

F-statistic(full model):145.6 on 434 and 9825 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.972 on 1 and 9825 DF, p-value: 0.1603

\*\*\* 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

-4366353 -28828 -1305 31118 2774447

Coefficients:

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

ejecuciones\_12Meses -86.45 75.07 -1.151 0.25

Residual standard error: 214200 on 9825 degrees of freedom

(948 observations deleted due to missingness)

Multiple R-squared(full model): 0.9075 Adjusted R-squared: 0.9034

Multiple R-squared(proj model): 0.0001349 Adjusted R-squared: -0.04403

F-statistic(full model):222.2 on 434 and 9825 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.326 on 1 and 9825 DF, p-value: 0.2496

\*\*\* 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

-2047127 -22333 -9238 23656 3524070

Coefficients:

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

ejecuciones\_12Meses -96.64 64.34 -1.502 0.133

Residual standard error: 183600 on 9825 degrees of freedom

(948 observations deleted due to missingness)

Multiple R-squared(full model): 0.8659 Adjusted R-squared: 0.86

Multiple R-squared(proj model): 0.0002296 Adjusted R-squared: -0.04393

F-statistic(full model):146.2 on 434 and 9825 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.256 on 1 and 9825 DF, p-value: 0.1331

\*\*\* 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

-4156632 -28015 194 26118 3399321

Coefficients:

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

ejecuciones\_12Meses -86.64 73.79 -1.174 0.24

Residual standard error: 210600 on 9825 degrees of freedom

(948 observations deleted due to missingness)

Multiple R-squared(full model): 0.9098 Adjusted R-squared: 0.9058

Multiple R-squared(proj model): 0.0001403 Adjusted R-squared: -0.04403

F-statistic(full model):228.4 on 434 and 9825 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.379 on 1 and 9825 DF, p-value: 0.2404

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

>

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

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

> print(datosTotales24)

[1] 7574

> print(datosProduccion24)

[1] 6986

> summary(regC1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-865.73 -44.28 3.53 37.72 1578.58

Coefficients:

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

ejecuciones\_24Meses -0.07637 0.04139 -1.845 0.065 .

---

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

Residual standard error: 129.4 on 7143 degrees of freedom

Multiple R-squared(full model): 0.9845 Adjusted R-squared: 0.9836

Multiple R-squared(proj model): 0.0004765 Adjusted R-squared: -0.05969

F-statistic(full model): 1055 on 430 and 7143 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.406 on 1 and 7143 DF, p-value: 0.06502

\*\*\* 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

-792.69 -39.79 2.72 34.35 1491.15

Coefficients:

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

ejecuciones\_24Meses -0.07338 0.03867 -1.897 0.0578 .

---

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

Residual standard error: 120.9 on 7143 degrees of freedom

Multiple R-squared(full model): 0.9741 Adjusted R-squared: 0.9725

Multiple R-squared(proj model): 0.0005038 Adjusted R-squared: -0.05966

F-statistic(full model):623.7 on 430 and 7143 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.6 on 1 and 7143 DF, p-value: 0.05781

\*\*\* 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

-381.91 -4.83 0.07 4.60 378.69

Coefficients:

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

ejecuciones\_24Meses -0.002989 0.007786 -0.384 0.701

Residual standard error: 24.34 on 7143 degrees of freedom

Multiple R-squared(full model): 0.995 Adjusted R-squared: 0.9947

Multiple R-squared(proj model): 2.063e-05 Adjusted R-squared: -0.06018

F-statistic(full model): 3299 on 430 and 7143 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1473 on 1 and 7143 DF, p-value: 0.7011

\*\*\* 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

-648.44 -12.33 0.34 11.47 522.45

Coefficients:

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

ejecuciones\_24Meses -0.03243 0.01233 -2.63 0.00855 \*\*

---

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

Residual standard error: 38.55 on 7143 degrees of freedom

Multiple R-squared(full model): 0.9556 Adjusted R-squared: 0.953

Multiple R-squared(proj model): 0.0009676 Adjusted R-squared: -0.05917

F-statistic(full model):357.8 on 430 and 7143 DF, p-value: < 2.2e-16

F-statistic(proj model): 6.919 on 1 and 7143 DF, p-value: 0.008549

\*\*\* 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

-434.85 -10.85 0.10 10.05 396.25

Coefficients:

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

ejecuciones\_24Meses -0.02804 0.01053 -2.664 0.00773 \*\*

---

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

Residual standard error: 32.91 on 7143 degrees of freedom

Multiple R-squared(full model): 0.9389 Adjusted R-squared: 0.9352

Multiple R-squared(proj model): 0.0009928 Adjusted R-squared: -0.05915

F-statistic(full model):255.4 on 430 and 7143 DF, p-value: < 2.2e-16

F-statistic(proj model): 7.098 on 1 and 7143 DF, p-value: 0.007733

\*\*\* 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

-213.586 -1.738 -0.025 1.559 150.595

Coefficients:

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

ejecuciones\_24Meses -0.004392 0.002928 -1.5 0.134

Residual standard error: 9.153 on 7143 degrees of freedom

Multiple R-squared(full model): 0.9772 Adjusted R-squared: 0.9758

Multiple R-squared(proj model): 0.0003149 Adjusted R-squared: -0.05986

F-statistic(full model):711.6 on 430 and 7143 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.25 on 1 and 7143 DF, p-value: 0.1336

\*\*\* 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

-96592 -642 66 613 152627

Coefficients:

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

ejecuciones\_24Meses -0.2635 1.6445 -0.16 0.873

Residual standard error: 5141 on 7143 degrees of freedom

Multiple R-squared(full model): 0.9675 Adjusted R-squared: 0.9655

Multiple R-squared(proj model): 3.594e-06 Adjusted R-squared: -0.06019

F-statistic(full model):494.1 on 430 and 7143 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.02568 on 1 and 7143 DF, p-value: 0.8727

\*\*\* 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

-53145 -401 22 360 84331

Coefficients:

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

ejecuciones\_24Meses -0.6624 0.8905 -0.744 0.457

Residual standard error: 2784 on 7143 degrees of freedom

Multiple R-squared(full model): 0.9088 Adjusted R-squared: 0.9034

Multiple R-squared(proj model): 7.747e-05 Adjusted R-squared: -0.06012

F-statistic(full model):165.6 on 430 and 7143 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.5534 on 1 and 7143 DF, p-value: 0.457

\*\*\* 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

-16125.1 -165.2 31.2 136.0 28246.9

Coefficients:

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

ejecuciones\_24Meses 0.2644 0.4362 0.606 0.544

Residual standard error: 1364 on 7143 degrees of freedom

Multiple R-squared(full model): 0.9631 Adjusted R-squared: 0.9609

Multiple R-squared(proj model): 5.145e-05 Adjusted R-squared: -0.06014

F-statistic(full model):433.3 on 430 and 7143 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3675 on 1 and 7143 DF, p-value: 0.5444

\*\*\* 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

-2123858 -27871 -7825 33057 2895235

Coefficients:

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

ejecuciones\_24Meses -70.53 52.66 -1.339 0.181

Residual standard error: 159100 on 6588 degrees of freedom

(588 observations deleted due to missingness)

Multiple R-squared(full model): 0.8872 Adjusted R-squared: 0.8805

Multiple R-squared(proj model): 0.0002722 Adjusted R-squared: -0.05997

F-statistic(full model):130.6 on 397 and 6588 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.794 on 1 and 6588 DF, p-value: 0.1805

\*\*\* 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

-4705595 -32472 -7759 40337 2472736

Coefficients:

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

ejecuciones\_24Meses -140.82 74.18 -1.898 0.0577 .

---

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

Residual standard error: 224100 on 6588 degrees of freedom

(588 observations deleted due to missingness)

Multiple R-squared(full model): 0.9059 Adjusted R-squared: 0.9003

Multiple R-squared(proj model): 0.0005468 Adjusted R-squared: -0.05968

F-statistic(full model):159.8 on 397 and 6588 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.604 on 1 and 6588 DF, p-value: 0.05768

\*\*\* 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

-2083177 -27802 -7350 32301 2893217

Coefficients:

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

ejecuciones\_24Meses -74.55 52.70 -1.415 0.157

Residual standard error: 159200 on 6588 degrees of freedom

(588 observations deleted due to missingness)

Multiple R-squared(full model): 0.8864 Adjusted R-squared: 0.8795

Multiple R-squared(proj model): 0.0003036 Adjusted R-squared: -0.05994

F-statistic(full model):129.4 on 397 and 6588 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.001 on 1 and 6588 DF, p-value: 0.1573

\*\*\* 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

-4548455 -31762 -6671 32904 3135559

Coefficients:

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

ejecuciones\_24Meses -129.82 73.12 -1.776 0.0759 .

---

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

Residual standard error: 220900 on 6588 degrees of freedom

(588 observations deleted due to missingness)

Multiple R-squared(full model): 0.9076 Adjusted R-squared: 0.9021

Multiple R-squared(proj model): 0.0004783 Adjusted R-squared: -0.05975

F-statistic(full model):163.1 on 397 and 6588 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.153 on 1 and 6588 DF, p-value: 0.07585

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