> print(subsectoresList[i])

[1] Industria del plastico y del hule

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

> print(datosTotales6)

[1] 22593

> print(datosProduccion6)

[1] 21100

> summary(regA1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-854.93 -8.90 -0.37 9.26 1155.20

Coefficients:

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

ejecuciones\_6Meses 0.019488 0.006139 3.175 0.0015 \*\*

---

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

Residual standard error: 46.32 on 21866 degrees of freedom

Multiple R-squared(full model): 0.9633 Adjusted R-squared: 0.9621

Multiple R-squared(proj model): 0.0004607 Adjusted R-squared: -0.03273

F-statistic(full model):790.9 on 726 and 21866 DF, p-value: < 2.2e-16

F-statistic(proj model): 10.08 on 1 and 21866 DF, p-value: 0.001503

\*\*\* 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

-940.55 -8.23 -0.26 7.91 1214.34

Coefficients:

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

ejecuciones\_6Meses 0.014834 0.005715 2.595 0.00945 \*\*

---

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

Residual standard error: 43.13 on 21866 degrees of freedom

Multiple R-squared(full model): 0.9503 Adjusted R-squared: 0.9487

Multiple R-squared(proj model): 0.000308 Adjusted R-squared: -0.03288

F-statistic(full model):576.1 on 726 and 21866 DF, p-value: < 2.2e-16

F-statistic(proj model): 6.736 on 1 and 21866 DF, p-value: 0.009453

\*\*\* 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

-162.649 -2.832 0.239 2.525 210.777

Coefficients:

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

ejecuciones\_6Meses 0.004654 0.001916 2.43 0.0151 \*

---

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

Residual standard error: 14.45 on 21866 degrees of freedom

Multiple R-squared(full model): 0.9534 Adjusted R-squared: 0.9519

Multiple R-squared(proj model): 0.0002699 Adjusted R-squared: -0.03292

F-statistic(full model):616.5 on 726 and 21866 DF, p-value: < 2.2e-16

F-statistic(proj model): 5.903 on 1 and 21866 DF, p-value: 0.01512

\*\*\* 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

-282.177 -2.435 -0.122 2.394 286.769

Coefficients:

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

ejecuciones\_6Meses 0.003833 0.001516 2.528 0.0115 \*

---

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

Residual standard error: 11.44 on 21866 degrees of freedom

Multiple R-squared(full model): 0.9509 Adjusted R-squared: 0.9492

Multiple R-squared(proj model): 0.0002921 Adjusted R-squared: -0.0329

F-statistic(full model):583.1 on 726 and 21866 DF, p-value: < 2.2e-16

F-statistic(proj model): 6.39 on 1 and 21866 DF, p-value: 0.01148

\*\*\* 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

-285.795 -2.071 -0.075 2.013 294.950

Coefficients:

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

ejecuciones\_6Meses 0.002809 0.001380 2.035 0.0419 \*

---

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

Residual standard error: 10.42 on 21866 degrees of freedom

Multiple R-squared(full model): 0.9384 Adjusted R-squared: 0.9364

Multiple R-squared(proj model): 0.0001893 Adjusted R-squared: -0.03301

F-statistic(full model):458.9 on 726 and 21866 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.141 on 1 and 21866 DF, p-value: 0.04188

\*\*\* 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

-40.739 -0.710 0.019 0.608 57.380

Coefficients:

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

ejecuciones\_6Meses 0.0010247 0.0004458 2.299 0.0215 \*

---

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

Residual standard error: 3.364 on 21866 degrees of freedom

Multiple R-squared(full model): 0.9383 Adjusted R-squared: 0.9363

Multiple R-squared(proj model): 0.0002416 Adjusted R-squared: -0.03295

F-statistic(full model):458.2 on 726 and 21866 DF, p-value: < 2.2e-16

F-statistic(proj model): 5.284 on 1 and 21866 DF, p-value: 0.02154

\*\*\* 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

-26809 -92 17 100 53170

Coefficients:

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

ejecuciones\_6Meses 0.07366 0.12952 0.569 0.57

Residual standard error: 977.3 on 21866 degrees of freedom

Multiple R-squared(full model): 0.8896 Adjusted R-squared: 0.8859

Multiple R-squared(proj model): 1.479e-05 Adjusted R-squared: -0.03319

F-statistic(full model):242.7 on 726 and 21866 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3234 on 1 and 21866 DF, p-value: 0.5696

\*\*\* 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

-13834 -48 12 48 51607

Coefficients:

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

ejecuciones\_6Meses 0.04183 0.07733 0.541 0.589

Residual standard error: 583.5 on 21866 degrees of freedom

Multiple R-squared(full model): 0.8238 Adjusted R-squared: 0.818

Multiple R-squared(proj model): 1.338e-05 Adjusted R-squared: -0.03319

F-statistic(full model):140.8 on 726 and 21866 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2926 on 1 and 21866 DF, p-value: 0.5886

\*\*\* 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

-6796.8 -35.0 5.4 37.1 20898.4

Coefficients:

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

ejecuciones\_6Meses 0.01958 0.05346 0.366 0.714

Residual standard error: 403.4 on 21866 degrees of freedom

Multiple R-squared(full model): 0.8479 Adjusted R-squared: 0.8429

Multiple R-squared(proj model): 6.131e-06 Adjusted R-squared: -0.0332

F-statistic(full model):167.9 on 726 and 21866 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1341 on 1 and 21866 DF, p-value: 0.7143

\*\*\* 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

-2658397 -4612 -288 4283 2479953

Coefficients:

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

ejecuciones\_6Meses -11.44 12.51 -0.915 0.36

Residual standard error: 93800 on 20408 degrees of freedom

(1493 observations deleted due to missingness)

Multiple R-squared(full model): 0.918 Adjusted R-squared: 0.9153

Multiple R-squared(proj model): 4.098e-05 Adjusted R-squared: -0.03382

F-statistic(full model):330.8 on 691 and 20408 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.8365 on 1 and 20408 DF, p-value: 0.3604

\*\*\* 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

-157331 -1533 7 1303 181153

Coefficients:

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

ejecuciones\_6Meses 0.6161 1.1497 0.536 0.592

Residual standard error: 8623 on 20408 degrees of freedom

(1493 observations deleted due to missingness)

Multiple R-squared(full model): 0.9303 Adjusted R-squared: 0.928

Multiple R-squared(proj model): 1.407e-05 Adjusted R-squared: -0.03384

F-statistic(full model):394.3 on 691 and 20408 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2872 on 1 and 20408 DF, p-value: 0.5921

\*\*\* 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

-2653787 -4129 -322 4162 2891281

Coefficients:

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

ejecuciones\_6Meses -10.80 12.39 -0.872 0.383

Residual standard error: 92940 on 20408 degrees of freedom

(1493 observations deleted due to missingness)

Multiple R-squared(full model): 0.9176 Adjusted R-squared: 0.9148

Multiple R-squared(proj model): 3.725e-05 Adjusted R-squared: -0.03382

F-statistic(full model): 329 on 691 and 20408 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.7602 on 1 and 20408 DF, p-value: 0.3833

\*\*\* 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

-158063 -1537 46 1255 180435

Coefficients:

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

ejecuciones\_6Meses 0.3631 1.1426 0.318 0.751

Residual standard error: 8569 on 20408 degrees of freedom

(1493 observations deleted due to missingness)

Multiple R-squared(full model): 0.9314 Adjusted R-squared: 0.9291

Multiple R-squared(proj model): 4.947e-06 Adjusted R-squared: -0.03385

F-statistic(full model):401.1 on 691 and 20408 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.101 on 1 and 20408 DF, p-value: 0.7507

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

>

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

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

> print(datosTotales12)

[1] 19818

> print(datosProduccion12)

[1] 18500

> summary(regB1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-634.79 -8.79 -0.22 9.00 1080.36

Coefficients:

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

ejecuciones\_12Meses 0.010660 0.003644 2.925 0.00344 \*\*

---

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

Residual standard error: 44.64 on 19096 degrees of freedom

Multiple R-squared(full model): 0.9666 Adjusted R-squared: 0.9653

Multiple R-squared(proj model): 0.0004479 Adjusted R-squared: -0.03729

F-statistic(full model):766.3 on 721 and 19096 DF, p-value: < 2.2e-16

F-statistic(proj model): 8.558 on 1 and 19096 DF, p-value: 0.003444

\*\*\* 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

-657.67 -8.14 -0.16 7.77 1128.12

Coefficients:

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

ejecuciones\_12Meses 0.008525 0.003395 2.511 0.012 \*

---

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

Residual standard error: 41.59 on 19096 degrees of freedom

Multiple R-squared(full model): 0.9551 Adjusted R-squared: 0.9534

Multiple R-squared(proj model): 0.0003301 Adjusted R-squared: -0.03741

F-statistic(full model):563.7 on 721 and 19096 DF, p-value: < 2.2e-16

F-statistic(proj model): 6.306 on 1 and 19096 DF, p-value: 0.01204

\*\*\* 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

-168.079 -2.780 0.417 2.264 211.947

Coefficients:

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

ejecuciones\_12Meses 0.002135 0.001140 1.873 0.0611 .

---

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

Residual standard error: 13.96 on 19096 degrees of freedom

Multiple R-squared(full model): 0.9564 Adjusted R-squared: 0.9548

Multiple R-squared(proj model): 0.0001836 Adjusted R-squared: -0.03757

F-statistic(full model):581.3 on 721 and 19096 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.507 on 1 and 19096 DF, p-value: 0.06111

\*\*\* 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

-201.298 -2.486 -0.063 2.362 264.370

Coefficients:

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

ejecuciones\_12Meses 0.001930 0.000897 2.152 0.0314 \*

---

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

Residual standard error: 10.99 on 19096 degrees of freedom

Multiple R-squared(full model): 0.9558 Adjusted R-squared: 0.9541

Multiple R-squared(proj model): 0.0002425 Adjusted R-squared: -0.0375

F-statistic(full model):572.6 on 721 and 19096 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.632 on 1 and 19096 DF, p-value: 0.0314

\*\*\* 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

-204.870 -2.106 -0.036 1.987 270.924

Coefficients:

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

ejecuciones\_12Meses 0.0014998 0.0008132 1.844 0.0651 .

---

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

Residual standard error: 9.962 on 19096 degrees of freedom

Multiple R-squared(full model): 0.9456 Adjusted R-squared: 0.9436

Multiple R-squared(proj model): 0.0001781 Adjusted R-squared: -0.03757

F-statistic(full model):460.7 on 721 and 19096 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.402 on 1 and 19096 DF, p-value: 0.06515

\*\*\* 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

-37.463 -0.672 0.023 0.547 50.769

Coefficients:

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

ejecuciones\_12Meses 0.0004307 0.0002660 1.619 0.105

Residual standard error: 3.258 on 19096 degrees of freedom

Multiple R-squared(full model): 0.9415 Adjusted R-squared: 0.9393

Multiple R-squared(proj model): 0.0001373 Adjusted R-squared: -0.03761

F-statistic(full model):426.6 on 721 and 19096 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.622 on 1 and 19096 DF, p-value: 0.1054

\*\*\* 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

-26286 -94 22 104 53684

Coefficients:

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

ejecuciones\_12Meses 0.0007026 0.0824843 0.009 0.993

Residual standard error: 1010 on 19096 degrees of freedom

Multiple R-squared(full model): 0.8852 Adjusted R-squared: 0.8808

Multiple R-squared(proj model): 3.799e-09 Adjusted R-squared: -0.03776

F-statistic(full model):204.2 on 721 and 19096 DF, p-value: < 2.2e-16

F-statistic(proj model): 7.255e-05 on 1 and 19096 DF, p-value: 0.9932

\*\*\* 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

-13634 -48 14 51 51802

Coefficients:

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

ejecuciones\_12Meses 0.0005111 0.0499599 0.01 0.992

Residual standard error: 612 on 19096 degrees of freedom

Multiple R-squared(full model): 0.8146 Adjusted R-squared: 0.8076

Multiple R-squared(proj model): 5.481e-09 Adjusted R-squared: -0.03776

F-statistic(full model):116.4 on 721 and 19096 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.0001047 on 1 and 19096 DF, p-value: 0.9918

\*\*\* 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

-6816.8 -36.6 10.2 38.1 20877.8

Coefficients:

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

ejecuciones\_12Meses 0.01131 0.03383 0.334 0.738

Residual standard error: 414.4 on 19096 degrees of freedom

Multiple R-squared(full model): 0.8453 Adjusted R-squared: 0.8394

Multiple R-squared(proj model): 5.858e-06 Adjusted R-squared: -0.03775

F-statistic(full model):144.7 on 721 and 19096 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1119 on 1 and 19096 DF, p-value: 0.738

\*\*\* 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

-2751782 -4419 -457 4474 2385731

Coefficients:

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

ejecuciones\_12Meses 0.8272 7.4935 0.11 0.912

Residual standard error: 91440 on 17813 degrees of freedom

(1318 observations deleted due to missingness)

Multiple R-squared(full model): 0.9245 Adjusted R-squared: 0.9216

Multiple R-squared(proj model): 6.84e-07 Adjusted R-squared: -0.03851

F-statistic(full model):317.9 on 686 and 17813 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.01218 on 1 and 17813 DF, p-value: 0.9121

\*\*\* 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

-158739 -1603 21 1339 179738

Coefficients:

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

ejecuciones\_12Meses -0.0485 0.6948 -0.07 0.944

Residual standard error: 8478 on 17813 degrees of freedom

(1318 observations deleted due to missingness)

Multiple R-squared(full model): 0.9333 Adjusted R-squared: 0.9308

Multiple R-squared(proj model): 2.736e-07 Adjusted R-squared: -0.03851

F-statistic(full model):363.6 on 686 and 17813 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.004874 on 1 and 17813 DF, p-value: 0.9443

\*\*\* 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

-2747260 -4329 -2 4101 2860319

Coefficients:

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

ejecuciones\_12Meses -1.475 7.477 -0.197 0.844

Residual standard error: 91240 on 17813 degrees of freedom

(1318 observations deleted due to missingness)

Multiple R-squared(full model): 0.9229 Adjusted R-squared: 0.92

Multiple R-squared(proj model): 2.186e-06 Adjusted R-squared: -0.03851

F-statistic(full model): 311 on 686 and 17813 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.03893 on 1 and 17813 DF, p-value: 0.8436

\*\*\* 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

-160407 -1586 52 1283 178084

Coefficients:

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

ejecuciones\_12Meses -0.1620 0.6894 -0.235 0.814

Residual standard error: 8412 on 17813 degrees of freedom

(1318 observations deleted due to missingness)

Multiple R-squared(full model): 0.9347 Adjusted R-squared: 0.9322

Multiple R-squared(proj model): 3.102e-06 Adjusted R-squared: -0.03851

F-statistic(full model):371.6 on 686 and 17813 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.05525 on 1 and 17813 DF, p-value: 0.8142

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

>

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

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

> print(datosTotales24)

[1] 13308

> print(datosProduccion24)

[1] 12400

> summary(regC1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-797.25 -8.63 0.36 7.24 918.14

Coefficients:

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

ejecuciones\_24Meses 0.002947 0.003175 0.928 0.353

Residual standard error: 41.89 on 12615 degrees of freedom

Multiple R-squared(full model): 0.9722 Adjusted R-squared: 0.9706

Multiple R-squared(proj model): 6.831e-05 Adjusted R-squared: -0.05478

F-statistic(full model):636.4 on 692 and 12615 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.8617 on 1 and 12615 DF, p-value: 0.3533

\*\*\* 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

-852.28 -8.05 0.42 6.96 933.70

Coefficients:

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

ejecuciones\_24Meses 0.003017 0.003055 0.988 0.323

Residual standard error: 40.3 on 12615 degrees of freedom

Multiple R-squared(full model): 0.9613 Adjusted R-squared: 0.9592

Multiple R-squared(proj model): 7.734e-05 Adjusted R-squared: -0.05477

F-statistic(full model):452.9 on 692 and 12615 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.9758 on 1 and 12615 DF, p-value: 0.3233

\*\*\* 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

-180.748 -1.494 0.144 1.167 182.031

Coefficients:

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

ejecuciones\_24Meses -0.0000703 0.0008121 -0.087 0.931

Residual standard error: 10.72 on 12615 degrees of freedom

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

Multiple R-squared(proj model): 5.941e-07 Adjusted R-squared: -0.05485

F-statistic(full model):681.6 on 692 and 12615 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.007495 on 1 and 12615 DF, p-value: 0.931

\*\*\* 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

-225.715 -2.366 0.038 2.072 239.978

Coefficients:

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

ejecuciones\_24Meses 0.0002512 0.0008213 0.306 0.76

Residual standard error: 10.84 on 12615 degrees of freedom

Multiple R-squared(full model): 0.9592 Adjusted R-squared: 0.9569

Multiple R-squared(proj model): 7.417e-06 Adjusted R-squared: -0.05485

F-statistic(full model):428.2 on 692 and 12615 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.09357 on 1 and 12615 DF, p-value: 0.7597

\*\*\* 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

-234.009 -2.116 0.054 1.838 241.802

Coefficients:

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

ejecuciones\_24Meses 0.0002169 0.0007646 0.284 0.777

Residual standard error: 10.09 on 12615 degrees of freedom

Multiple R-squared(full model): 0.9483 Adjusted R-squared: 0.9454

Multiple R-squared(proj model): 6.376e-06 Adjusted R-squared: -0.05485

F-statistic(full model):334.1 on 692 and 12615 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.08043 on 1 and 12615 DF, p-value: 0.7767

\*\*\* 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

-39.015 -0.434 -0.033 0.394 45.821

Coefficients:

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

ejecuciones\_24Meses 3.437e-05 2.013e-04 0.171 0.864

Residual standard error: 2.656 on 12615 degrees of freedom

Multiple R-squared(full model): 0.9609 Adjusted R-squared: 0.9588

Multiple R-squared(proj model): 2.312e-06 Adjusted R-squared: -0.05485

F-statistic(full model):448.3 on 692 and 12615 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.02916 on 1 and 12615 DF, p-value: 0.8644

\*\*\* 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

-23717 -87 32 98 41471

Coefficients:

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

ejecuciones\_24Meses -0.06600 0.07249 -0.91 0.363

Residual standard error: 956.5 on 12615 degrees of freedom

Multiple R-squared(full model): 0.9004 Adjusted R-squared: 0.8949

Multiple R-squared(proj model): 6.57e-05 Adjusted R-squared: -0.05479

F-statistic(full model):164.8 on 692 and 12615 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.8289 on 1 and 12615 DF, p-value: 0.3626

\*\*\* 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

-11335.1 -47.5 14.1 52.2 14079.1

Coefficients:

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

ejecuciones\_24Meses -0.04638 0.03755 -1.235 0.217

Residual standard error: 495.5 on 12615 degrees of freedom

Multiple R-squared(full model): 0.8776 Adjusted R-squared: 0.8709

Multiple R-squared(proj model): 0.0001209 Adjusted R-squared: -0.05473

F-statistic(full model):130.7 on 692 and 12615 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.525 on 1 and 12615 DF, p-value: 0.2169

\*\*\* 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

-6871.2 -27.8 15.8 32.8 20822.1

Coefficients:

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

ejecuciones\_24Meses -0.005048 0.032318 -0.156 0.876

Residual standard error: 426.4 on 12615 degrees of freedom

Multiple R-squared(full model): 0.8419 Adjusted R-squared: 0.8332

Multiple R-squared(proj model): 1.934e-06 Adjusted R-squared: -0.05485

F-statistic(full model):97.05 on 692 and 12615 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.0244 on 1 and 12615 DF, p-value: 0.8759

\*\*\* 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

-2454963 -4306 -263 4123 1297527

Coefficients:

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

ejecuciones\_24Meses -1.306 6.283 -0.208 0.835

Residual standard error: 82530 on 11740 degrees of freedom

(908 observations deleted due to missingness)

Multiple R-squared(full model): 0.9368 Adjusted R-squared: 0.9333

Multiple R-squared(proj model): 3.682e-06 Adjusted R-squared: -0.05613

F-statistic(full model):264.3 on 659 and 11740 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.04322 on 1 and 11740 DF, p-value: 0.8353

\*\*\* 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

-164275 -1698 35 1369 174175

Coefficients:

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

ejecuciones\_24Meses -0.7111 0.6444 -1.103 0.27

Residual standard error: 8464 on 11740 degrees of freedom

(908 observations deleted due to missingness)

Multiple R-squared(full model): 0.9378 Adjusted R-squared: 0.9343

Multiple R-squared(proj model): 0.0001037 Adjusted R-squared: -0.05602

F-statistic(full model):268.5 on 659 and 11740 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.218 on 1 and 11740 DF, p-value: 0.2699

\*\*\* 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

-2450202 -3764 -137 4262 2629003

Coefficients:

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

ejecuciones\_24Meses -1.099 6.611 -0.166 0.868

Residual standard error: 86830 on 11740 degrees of freedom

(908 observations deleted due to missingness)

Multiple R-squared(full model): 0.9285 Adjusted R-squared: 0.9245

Multiple R-squared(proj model): 2.353e-06 Adjusted R-squared: -0.05613

F-statistic(full model):231.4 on 659 and 11740 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.02763 on 1 and 11740 DF, p-value: 0.868

\*\*\* 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

-169072 -1629 72 1326 169402

Coefficients:

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

ejecuciones\_24Meses -0.5973 0.6416 -0.931 0.352

Residual standard error: 8427 on 11740 degrees of freedom

(908 observations deleted due to missingness)

Multiple R-squared(full model): 0.9391 Adjusted R-squared: 0.9357

Multiple R-squared(proj model): 7.382e-05 Adjusted R-squared: -0.05605

F-statistic(full model):274.8 on 659 and 11740 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.8667 on 1 and 11740 DF, p-value: 0.3519

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