> print(subsectoresList[i])

[1] Fabricacion de productos metalicos

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

> print(datosTotales6)

[1] 17148

> print(datosProduccion6)

[1] 15414

> summary(regA1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-463.52 -10.73 -0.46 10.41 825.11

Coefficients:

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

ejecuciones\_6Meses -0.013895 0.005225 -2.659 0.00784 \*\*

---

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

Residual standard error: 45.86 on 16579 degrees of freedom

Multiple R-squared(full model): 0.9741 Adjusted R-squared: 0.9733

Multiple R-squared(proj model): 0.0004264 Adjusted R-squared: -0.03382

F-statistic(full model): 1100 on 568 and 16579 DF, p-value: < 2.2e-16

F-statistic(proj model): 7.072 on 1 and 16579 DF, p-value: 0.007839

\*\*\* 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

-374.21 -9.08 -0.81 8.81 638.51

Coefficients:

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

ejecuciones\_6Meses -0.013723 0.004446 -3.087 0.00203 \*\*

---

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

Residual standard error: 39.02 on 16579 degrees of freedom

Multiple R-squared(full model): 0.9591 Adjusted R-squared: 0.9577

Multiple R-squared(proj model): 0.0005743 Adjusted R-squared: -0.03367

F-statistic(full model):684.4 on 568 and 16579 DF, p-value: < 2.2e-16

F-statistic(proj model): 9.527 on 1 and 16579 DF, p-value: 0.002028

\*\*\* 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

-267.70 -2.13 0.16 1.95 375.77

Coefficients:

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

ejecuciones\_6Meses -0.0001713 0.0021805 -0.079 0.937

Residual standard error: 19.14 on 16579 degrees of freedom

Multiple R-squared(full model): 0.9713 Adjusted R-squared: 0.9704

Multiple R-squared(proj model): 3.722e-07 Adjusted R-squared: -0.03426

F-statistic(full model):989.3 on 568 and 16579 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.00617 on 1 and 16579 DF, p-value: 0.9374

\*\*\* 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

-100.117 -2.715 -0.076 2.545 248.470

Coefficients:

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

ejecuciones\_6Meses -0.002698 0.001212 -2.226 0.026 \*

---

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

Residual standard error: 10.64 on 16579 degrees of freedom

Multiple R-squared(full model): 0.965 Adjusted R-squared: 0.9638

Multiple R-squared(proj model): 0.0002988 Adjusted R-squared: -0.03395

F-statistic(full model):803.9 on 568 and 16579 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.956 on 1 and 16579 DF, p-value: 0.02602

\*\*\* 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

-74.350 -2.265 -0.120 2.087 188.481

Coefficients:

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

ejecuciones\_6Meses -0.002707 0.000992 -2.729 0.00636 \*\*

---

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

Residual standard error: 8.706 on 16579 degrees of freedom

Multiple R-squared(full model): 0.9504 Adjusted R-squared: 0.9487

Multiple R-squared(proj model): 0.000449 Adjusted R-squared: -0.0338

F-statistic(full model):558.7 on 568 and 16579 DF, p-value: < 2.2e-16

F-statistic(proj model): 7.448 on 1 and 16579 DF, p-value: 0.006357

\*\*\* 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

-59.196 -0.626 0.028 0.571 80.204

Coefficients:

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

ejecuciones\_6Meses 9.383e-06 4.897e-04 0.019 0.985

Residual standard error: 4.298 on 16579 degrees of freedom

Multiple R-squared(full model): 0.962 Adjusted R-squared: 0.9607

Multiple R-squared(proj model): 2.214e-08 Adjusted R-squared: -0.03426

F-statistic(full model):739.4 on 568 and 16579 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.0003671 on 1 and 16579 DF, p-value: 0.9847

\*\*\* 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

-14003.5 -117.2 3.3 102.7 21380.8

Coefficients:

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

ejecuciones\_6Meses -0.2799 0.1002 -2.794 0.00521 \*\*

---

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

Residual standard error: 879.2 on 16579 degrees of freedom

Multiple R-squared(full model): 0.9504 Adjusted R-squared: 0.9487

Multiple R-squared(proj model): 0.0004706 Adjusted R-squared: -0.03377

F-statistic(full model):558.9 on 568 and 16579 DF, p-value: < 2.2e-16

F-statistic(proj model): 7.806 on 1 and 16579 DF, p-value: 0.005214

\*\*\* 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

-3695.8 -55.2 -2.8 45.1 9606.3

Coefficients:

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

ejecuciones\_6Meses -0.13310 0.03749 -3.55 0.000386 \*\*\*

---

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

Residual standard error: 329 on 16579 degrees of freedom

Multiple R-squared(full model): 0.9154 Adjusted R-squared: 0.9125

Multiple R-squared(proj model): 0.0007597 Adjusted R-squared: -0.03347

F-statistic(full model):315.8 on 568 and 16579 DF, p-value: < 2.2e-16

F-statistic(proj model): 12.6 on 1 and 16579 DF, p-value: 0.0003859

\*\*\* 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

-13758.6 -37.2 8.0 35.2 11033.6

Coefficients:

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

ejecuciones\_6Meses -0.08163 0.05165 -1.58 0.114

Residual standard error: 453.3 on 16579 degrees of freedom

Multiple R-squared(full model): 0.929 Adjusted R-squared: 0.9266

Multiple R-squared(proj model): 0.0001506 Adjusted R-squared: -0.0341

F-statistic(full model): 382 on 568 and 16579 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.498 on 1 and 16579 DF, p-value: 0.114

\*\*\* 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

-1135599 -4346 -234 4158 1295558

Coefficients:

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

ejecuciones\_6Meses 7.358 6.576 1.119 0.263

Residual standard error: 57290 on 14888 degrees of freedom

(1734 observations deleted due to missingness)

Multiple R-squared(full model): 0.9425 Adjusted R-squared: 0.9405

Multiple R-squared(proj model): 8.41e-05 Adjusted R-squared: -0.03518

F-statistic(full model):465.2 on 525 and 14888 DF, p-value: < 2.2e-16

F-statistic(proj model): 1.252 on 1 and 14888 DF, p-value: 0.2632

\*\*\* 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

-356398 -2616 230 1883 502869

Coefficients:

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

ejecuciones\_6Meses -3.833 2.149 -1.783 0.0745 .

---

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

Residual standard error: 18720 on 14888 degrees of freedom

(1734 observations deleted due to missingness)

Multiple R-squared(full model): 0.934 Adjusted R-squared: 0.9317

Multiple R-squared(proj model): 0.0002136 Adjusted R-squared: -0.03504

F-statistic(full model):401.3 on 525 and 14888 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.181 on 1 and 14888 DF, p-value: 0.07454

\*\*\* 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

-1194956 -3411 76 4839 4132875

Coefficients:

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

ejecuciones\_6Meses 7.585 7.852 0.966 0.334

Residual standard error: 68400 on 14888 degrees of freedom

(1734 observations deleted due to missingness)

Multiple R-squared(full model): 0.9291 Adjusted R-squared: 0.9266

Multiple R-squared(proj model): 6.268e-05 Adjusted R-squared: -0.0352

F-statistic(full model):371.4 on 525 and 14888 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.9332 on 1 and 14888 DF, p-value: 0.334

\*\*\* 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

-491742 -2405 146 1780 487824

Coefficients:

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

ejecuciones\_6Meses -4.587 2.176 -2.108 0.035 \*

---

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

Residual standard error: 18960 on 14888 degrees of freedom

(1734 observations deleted due to missingness)

Multiple R-squared(full model): 0.9242 Adjusted R-squared: 0.9216

Multiple R-squared(proj model): 0.0002984 Adjusted R-squared: -0.03495

F-statistic(full model): 346 on 525 and 14888 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.444 on 1 and 14888 DF, p-value: 0.03503

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

>

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

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

> print(datosTotales12)

[1] 15048

> print(datosProduccion12)

[1] 13524

> summary(regB1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-451.91 -10.81 -0.04 9.90 836.61

Coefficients:

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

ejecuciones\_12Meses -0.010184 0.003119 -3.266 0.00109 \*\*

---

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

Residual standard error: 45.05 on 14484 degrees of freedom

Multiple R-squared(full model): 0.9752 Adjusted R-squared: 0.9742

Multiple R-squared(proj model): 0.0007358 Adjusted R-squared: -0.03811

F-statistic(full model): 1010 on 563 and 14484 DF, p-value: < 2.2e-16

F-statistic(proj model): 10.67 on 1 and 14484 DF, p-value: 0.001094

\*\*\* 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

-390.43 -9.18 -0.41 8.42 637.46

Coefficients:

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

ejecuciones\_12Meses -0.009979 0.002669 -3.739 0.000186 \*\*\*

---

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

Residual standard error: 38.55 on 14484 degrees of freedom

Multiple R-squared(full model): 0.9601 Adjusted R-squared: 0.9585

Multiple R-squared(proj model): 0.0009642 Adjusted R-squared: -0.03787

F-statistic(full model):618.9 on 563 and 14484 DF, p-value: < 2.2e-16

F-statistic(proj model): 13.98 on 1 and 14484 DF, p-value: 0.0001855

\*\*\* 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

-257.16 -2.18 0.36 1.82 414.06

Coefficients:

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

ejecuciones\_12Meses -0.0002053 0.0012935 -0.159 0.874

Residual standard error: 18.68 on 14484 degrees of freedom

Multiple R-squared(full model): 0.9729 Adjusted R-squared: 0.9718

Multiple R-squared(proj model): 1.74e-06 Adjusted R-squared: -0.03887

F-statistic(full model):922.8 on 563 and 14484 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.0252 on 1 and 14484 DF, p-value: 0.8739

\*\*\* 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

-99.294 -2.627 -0.007 2.418 245.483

Coefficients:

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

ejecuciones\_12Meses -0.0024633 0.0007288 -3.38 0.000726 \*\*\*

---

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

Residual standard error: 10.53 on 14484 degrees of freedom

Multiple R-squared(full model): 0.9654 Adjusted R-squared: 0.9641

Multiple R-squared(proj model): 0.0007882 Adjusted R-squared: -0.03805

F-statistic(full model):717.7 on 563 and 14484 DF, p-value: < 2.2e-16

F-statistic(proj model): 11.43 on 1 and 14484 DF, p-value: 0.0007263

\*\*\* 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

-77.114 -2.194 -0.063 1.995 186.071

Coefficients:

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

ejecuciones\_12Meses -0.0022278 0.0005941 -3.75 0.000178 \*\*\*

---

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

Residual standard error: 8.581 on 14484 degrees of freedom

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

Multiple R-squared(proj model): 0.0009699 Adjusted R-squared: -0.03786

F-statistic(full model):502.8 on 563 and 14484 DF, p-value: < 2.2e-16

F-statistic(proj model): 14.06 on 1 and 14484 DF, p-value: 0.0001776

\*\*\* 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

-51.073 -0.622 0.064 0.551 81.564

Coefficients:

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

ejecuciones\_12Meses -0.0002355 0.0002935 -0.803 0.422

Residual standard error: 4.239 on 14484 degrees of freedom

Multiple R-squared(full model): 0.9627 Adjusted R-squared: 0.9613

Multiple R-squared(proj model): 4.446e-05 Adjusted R-squared: -0.03882

F-statistic(full model): 664 on 563 and 14484 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.644 on 1 and 14484 DF, p-value: 0.4223

\*\*\* 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

-13804.4 -119.3 5.4 106.6 21527.7

Coefficients:

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

ejecuciones\_12Meses -0.17778 0.06135 -2.898 0.00376 \*\*

---

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

Residual standard error: 886.1 on 14484 degrees of freedom

Multiple R-squared(full model): 0.95 Adjusted R-squared: 0.948

Multiple R-squared(proj model): 0.0005794 Adjusted R-squared: -0.03827

F-statistic(full model):488.4 on 563 and 14484 DF, p-value: < 2.2e-16

F-statistic(proj model): 8.397 on 1 and 14484 DF, p-value: 0.003763

\*\*\* 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

-4068.4 -56.0 -1.9 46.4 9233.9

Coefficients:

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

ejecuciones\_12Meses -0.08469 0.02269 -3.733 0.00019 \*\*\*

---

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

Residual standard error: 327.7 on 14484 degrees of freedom

Multiple R-squared(full model): 0.918 Adjusted R-squared: 0.9148

Multiple R-squared(proj model): 0.0009614 Adjusted R-squared: -0.03787

F-statistic(full model):288.1 on 563 and 14484 DF, p-value: < 2.2e-16

F-statistic(proj model): 13.94 on 1 and 14484 DF, p-value: 0.0001896

\*\*\* 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

-13540.8 -37.6 10.9 36.3 10767.3

Coefficients:

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

ejecuciones\_12Meses -0.05230 0.03191 -1.639 0.101

Residual standard error: 460.9 on 14484 degrees of freedom

Multiple R-squared(full model): 0.9273 Adjusted R-squared: 0.9245

Multiple R-squared(proj model): 0.0001854 Adjusted R-squared: -0.03868

F-statistic(full model):328.3 on 563 and 14484 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.686 on 1 and 14484 DF, p-value: 0.1013

\*\*\* 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

-1085147 -4348 -233 3769 1257814

Coefficients:

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

ejecuciones\_12Meses 3.142 3.849 0.816 0.414

Residual standard error: 55290 on 13003 degrees of freedom

(1524 observations deleted due to missingness)

Multiple R-squared(full model): 0.9466 Adjusted R-squared: 0.9445

Multiple R-squared(proj model): 5.125e-05 Adjusted R-squared: -0.03994

F-statistic(full model):443.5 on 520 and 13003 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.6664 on 1 and 13003 DF, p-value: 0.4143

\*\*\* 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

-372871 -2607 137 2008 486411

Coefficients:

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

ejecuciones\_12Meses -2.056 1.334 -1.541 0.123

Residual standard error: 19170 on 13003 degrees of freedom

(1524 observations deleted due to missingness)

Multiple R-squared(full model): 0.933 Adjusted R-squared: 0.9303

Multiple R-squared(proj model): 0.0001826 Adjusted R-squared: -0.0398

F-statistic(full model):348.3 on 520 and 13003 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.375 on 1 and 13003 DF, p-value: 0.1233

\*\*\* 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

-1145342 -2838 -415 4029 4182884

Coefficients:

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

ejecuciones\_12Meses 2.652 4.696 0.565 0.572

Residual standard error: 67470 on 13003 degrees of freedom

(1524 observations deleted due to missingness)

Multiple R-squared(full model): 0.9298 Adjusted R-squared: 0.927

Multiple R-squared(proj model): 2.451e-05 Adjusted R-squared: -0.03997

F-statistic(full model):331.2 on 520 and 13003 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.3188 on 1 and 13003 DF, p-value: 0.5724

\*\*\* 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

-520580 -2379 9 1800 459058

Coefficients:

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

ejecuciones\_12Meses -2.425 1.325 -1.83 0.0673 .

---

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

Residual standard error: 19040 on 13003 degrees of freedom

(1524 observations deleted due to missingness)

Multiple R-squared(full model): 0.927 Adjusted R-squared: 0.9241

Multiple R-squared(proj model): 0.0002575 Adjusted R-squared: -0.03972

F-statistic(full model):317.5 on 520 and 13003 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.349 on 1 and 13003 DF, p-value: 0.06726

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

>

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

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

> print(datosTotales24)

[1] 10178

> print(datosProduccion24)

[1] 9148

> summary(regC1)

Call:

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

Residuals:

Min 1Q Median 3Q Max

-483.28 -7.98 0.44 6.81 804.85

Coefficients:

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

ejecuciones\_24Meses -0.012000 0.002613 -4.593 4.43e-06 \*\*\*

---

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

Residual standard error: 41.05 on 9648 degrees of freedom

Multiple R-squared(full model): 0.9792 Adjusted R-squared: 0.978

Multiple R-squared(proj model): 0.002181 Adjusted R-squared: -0.05253

F-statistic(full model):857.7 on 529 and 9648 DF, p-value: < 2.2e-16

F-statistic(proj model): 21.09 on 1 and 9648 DF, p-value: 4.432e-06

\*\*\* 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

-414.58 -7.18 0.33 6.13 606.44

Coefficients:

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

ejecuciones\_24Meses -0.010646 0.002301 -4.628 3.75e-06 \*\*\*

---

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

Residual standard error: 36.14 on 9648 degrees of freedom

Multiple R-squared(full model): 0.9645 Adjusted R-squared: 0.9625

Multiple R-squared(proj model): 0.002215 Adjusted R-squared: -0.05249

F-statistic(full model): 495 on 529 and 9648 DF, p-value: < 2.2e-16

F-statistic(proj model): 21.41 on 1 and 9648 DF, p-value: 3.749e-06

\*\*\* 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

-220.24 -1.31 0.06 1.08 494.83

Coefficients:

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

ejecuciones\_24Meses -0.0013538 0.0008606 -1.573 0.116

Residual standard error: 13.52 on 9648 degrees of freedom

Multiple R-squared(full model): 0.9856 Adjusted R-squared: 0.9848

Multiple R-squared(proj model): 0.0002564 Adjusted R-squared: -0.05456

F-statistic(full model): 1244 on 529 and 9648 DF, p-value: < 2.2e-16

F-statistic(proj model): 2.475 on 1 and 9648 DF, p-value: 0.1157

\*\*\* 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

-121.260 -2.056 0.059 1.917 223.497

Coefficients:

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

ejecuciones\_24Meses -0.0027268 0.0006187 -4.407 1.06e-05 \*\*\*

---

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

Residual standard error: 9.72 on 9648 degrees of freedom

Multiple R-squared(full model): 0.9696 Adjusted R-squared: 0.9679

Multiple R-squared(proj model): 0.002009 Adjusted R-squared: -0.05271

F-statistic(full model):581.6 on 529 and 9648 DF, p-value: < 2.2e-16

F-statistic(proj model): 19.42 on 1 and 9648 DF, p-value: 1.058e-05

\*\*\* 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

-86.119 -1.786 0.061 1.590 169.469

Coefficients:

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

ejecuciones\_24Meses -0.0023517 0.0005204 -4.519 6.29e-06 \*\*\*

---

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

Residual standard error: 8.176 on 9648 degrees of freedom

Multiple R-squared(full model): 0.955 Adjusted R-squared: 0.9525

Multiple R-squared(proj model): 0.002112 Adjusted R-squared: -0.0526

F-statistic(full model):386.7 on 529 and 9648 DF, p-value: < 2.2e-16

F-statistic(proj model): 20.42 on 1 and 9648 DF, p-value: 6.292e-06

\*\*\* 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

-41.812 -0.438 -0.025 0.424 104.521

Coefficients:

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

ejecuciones\_24Meses -0.0003751 0.0002003 -1.873 0.0612 .

---

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

Residual standard error: 3.147 on 9648 degrees of freedom

Multiple R-squared(full model): 0.9781 Adjusted R-squared: 0.9769

Multiple R-squared(proj model): 0.0003633 Adjusted R-squared: -0.05445

F-statistic(full model):812.9 on 529 and 9648 DF, p-value: < 2.2e-16

F-statistic(proj model): 3.507 on 1 and 9648 DF, p-value: 0.06115

\*\*\* 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

-12534.4 -110.4 14.2 101.3 20519.5

Coefficients:

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

ejecuciones\_24Meses -0.17686 0.05564 -3.179 0.00148 \*\*

---

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

Residual standard error: 874.1 on 9648 degrees of freedom

Multiple R-squared(full model): 0.9519 Adjusted R-squared: 0.9493

Multiple R-squared(proj model): 0.001046 Adjusted R-squared: -0.05373

F-statistic(full model):361.2 on 529 and 9648 DF, p-value: < 2.2e-16

F-statistic(proj model): 10.1 on 1 and 9648 DF, p-value: 0.001484

\*\*\* 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

-4958.4 -55.3 1.1 47.4 8342.4

Coefficients:

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

ejecuciones\_24Meses -0.06964 0.02081 -3.347 0.000819 \*\*\*

---

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

Residual standard error: 326.9 on 9648 degrees of freedom

Multiple R-squared(full model): 0.9217 Adjusted R-squared: 0.9174

Multiple R-squared(proj model): 0.00116 Adjusted R-squared: -0.05361

F-statistic(full model):214.6 on 529 and 9648 DF, p-value: < 2.2e-16

F-statistic(proj model): 11.2 on 1 and 9648 DF, p-value: 0.0008194

\*\*\* 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

-13573.9 -32.7 13.4 32.1 10426.1

Coefficients:

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

ejecuciones\_24Meses -0.06148 0.02950 -2.084 0.0372 \*

---

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

Residual standard error: 463.5 on 9648 degrees of freedom

Multiple R-squared(full model): 0.9263 Adjusted R-squared: 0.9223

Multiple R-squared(proj model): 0.0004498 Adjusted R-squared: -0.05436

F-statistic(full model):229.3 on 529 and 9648 DF, p-value: < 2.2e-16

F-statistic(proj model): 4.342 on 1 and 9648 DF, p-value: 0.03721

\*\*\* 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

-1030957 -2805 93 2626 1092450

Coefficients:

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

ejecuciones\_24Meses -1.503 3.219 -0.467 0.641

Residual standard error: 50390 on 8661 degrees of freedom

(1030 observations deleted due to missingness)

Multiple R-squared(full model): 0.9546 Adjusted R-squared: 0.952

Multiple R-squared(proj model): 2.518e-05 Adjusted R-squared: -0.05609

F-statistic(full model):374.5 on 486 and 8661 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.2181 on 1 and 8661 DF, p-value: 0.6405

\*\*\* 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

-259308 -2200 143 1601 345382

Coefficients:

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

ejecuciones\_24Meses -2.7815 0.9909 -2.807 0.00501 \*\*

---

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

Residual standard error: 15510 on 8661 degrees of freedom

(1030 observations deleted due to missingness)

Multiple R-squared(full model): 0.9539 Adjusted R-squared: 0.9513

Multiple R-squared(proj model): 0.000909 Adjusted R-squared: -0.05515

F-statistic(full model): 369 on 486 and 8661 DF, p-value: < 2.2e-16

F-statistic(proj model): 7.88 on 1 and 8661 DF, p-value: 0.005009

\*\*\* 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

-1038525 -3583 -327 3069 994302

Coefficients:

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

ejecuciones\_24Meses -1.355 3.381 -0.401 0.689

Residual standard error: 52920 on 8661 degrees of freedom

(1030 observations deleted due to missingness)

Multiple R-squared(full model): 0.9554 Adjusted R-squared: 0.9529

Multiple R-squared(proj model): 1.854e-05 Adjusted R-squared: -0.05609

F-statistic(full model):381.7 on 486 and 8661 DF, p-value: < 2.2e-16

F-statistic(proj model): 0.1606 on 1 and 8661 DF, p-value: 0.6887

\*\*\* 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

-200663 -1954 25 1462 345271

Coefficients:

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

ejecuciones\_24Meses -2.6956 0.9023 -2.988 0.00282 \*\*

---

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

Residual standard error: 14120 on 8661 degrees of freedom

(1030 observations deleted due to missingness)

Multiple R-squared(full model): 0.9594 Adjusted R-squared: 0.9572

Multiple R-squared(proj model): 0.001029 Adjusted R-squared: -0.05503

F-statistic(full model):421.5 on 486 and 8661 DF, p-value: < 2.2e-16

F-statistic(proj model): 8.925 on 1 and 8661 DF, p-value: 0.00282

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