|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
| **Intercept** | 1,847337 \*\*\* | 6,33821 \*\*\* | 3,854745 \*\*\* | -0,369528 | 3,937076 \*\*\* |
| **Prod** | -0,498460 \*\*\* | -0,557547 \*\*\* | -0,511088 \*\*\* | -0,475972 \*\*\* | -0,525506 \*\*\* |
| **Country dummies** | **No** | **Yes** | **No** | **Yes** | **Yes** |
| **Year dumdum** | **No** | **Yes** | **Yes** | **No** | **Yes** |
| **Industry dummies** | **No** | **No** | **Yes** | **Yes** | **Yes** |
|  |  |  |  |  |  |

**Er det et problem med year dummies, når det er ubalanceret?**

**lm(emp\_logchanges ~ prod\_logchanges + factor(country) + factor(year) + factor(code), data=ci\_panel)**

* er dette det samme (teoretisk) som at køre en plm med id (land og branche grupperet)?

Coefficients:

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

(Intercept) 3.937076 0.665725 5.914 3.67e-09 \*\*\*

prod\_logchanges -0.525506 0.009487 -55.394 < 2e-16 \*\*\*

**plm(model\_linear1, data = ci\_panel, index = c("id", "year"), model = "within")**

Coefficients:

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

prod\_logchanges -0.472880 0.010137 -46.648 < 2.2e-16 \*\*\*

**plm(model\_linear1, data = ci\_panel, index = c("id", "year"), model = "within", effect = "twoway")**

Coefficients:

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

prod\_logchanges -0.5247051 0.0097267 -53.945 < 2.2e-16 \*\*\*

**lm(emp\_logchanges ~ prod\_logchanges, data=ci\_panel)**

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

(Intercept) 1.847337 0.060732 30.42 <2e-16 \*\*\*

prod\_logchanges -0.498460 0.009824 -50.74 <2e-16 \*\*\*

**plm(model\_linear1, data = ci\_panel, index = c("id", "year"), model = "pooling")**

Coefficients:

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

(Intercept) 1.8473366 0.0607318 30.418 < 2.2e-16 \*\*\*

prod\_logchanges -0.4984597 0.0098238 -50.740 < 2.2e-16 \*\*\*

**lm(emp\_logchanges ~ prod\_logchanges + factor(code) + factor(country), data=ci\_panel)**

Coefficients:

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

(Intercept) -0.369528 0.232251 -1.591 0.111686

prod\_logchanges -0.475972 0.009881 -48.172 < 2e-16 \*\*\*

**lm(emp\_logchanges ~ prod\_logchanges + factor(code) + factor(year), data=ci\_panel)**

Coefficients:

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

(Intercept) 3.854745 0.672937 5.728 1.10e-08 \*\*\*

prod\_logchanges -0.511088 0.009433 -54.183 < 2e-16 \*\*\*

**lm(emp\_logchanges ~ prod\_logchanges + factor(country) + factor(year), data=ci\_panel)**

Coefficients:

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

(Intercept) 6.338218 0.681202 9.304 < 2e-16 \*\*\*

prod\_logchanges -0.557547 0.009571 -58.255 < 2e-16 \*\*\*

