# SUMMARY OF RESULT COMPARISON (INDEPENDENT VARIABLES ARE IN BOLD)

# Comparison Table: Model 1b

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Original Study  Model 1b | Replication Study  Model 1b | Similarities/Differences |
| **Voice and Accountability** | -6.756 (5.321) | -0.813  (7.023) |  |
| **Political Stability and Absence of Violence** | -3.105 (4.477) | -16.65\*\*\* (5.266) | **Significant in reproduction.** |
| **Government Effectiveness** | 1.797 (6.278) | 3.287 (6.178) |  |
| **Regulatory Quality** | -16.672\*\* (5.375) | 23.31\*\*\* (7.429) | **Opposite signs.** |
| **Rule of Law** | 20.882\* (9.208) | 13.93 (11.73) |  |
| **Control of Corruption** | -27.706\*\* (9.456) | -17.07\*\* (8.471) | **Same sign.** |
| GNI per Capita | 0.068\*\*\* (0.012) | 0.0178 (0.0321) | **Not significant in reproduction.** |
| Roads Paved (%) | -0.113 (0.277) | 0.0379 (0.470) |  |
| Phones per Capita | -0.179 (0.288) | 0.124 (0.181) |  |
| Geographic Proximity | 52.057\*\*\* (6.831) | 27.01\*\* (12.63) | **Same sign.** |
| Colonial Link | 5.985 (6.912) | 2.481 (7.395) |  |
| Constant | 17.681  (14.683) | -21.43  (14.12) |  |
| Number of complete observations | 42 | 33 |  |
| Model Fit - Chi-squared | 106.46\*\*\* | 32.75\*\*\* |  |
| Model Fit - Log Likelihood | -161.035 | -115.45 |  |

\* p < 0.05, \*\* p < 0.01, \*\*\* p < 0.001

Notes

* The original study had 42 observations included in their model out of 49 total LDCs (for some reason the study mentions 50 LDCs, however, this must be a typo(?)). There are 5 countries for which there are no foreign affiliates listed, which (arguably) renders the dependent variable (proportion of affiliates that are EMNEs) meaningless.
  + Bhutan (both years missing)
  + Cape Verde (both years missing)
  + Eritrea (both years missing)
  + Somalia (both years missing)
  + Tuvalu (both years missing).
* For the replication I was only able to get **33** complete observations. The 5 countries mentioned were all missing values for the dependent variable. In addition to the 5 countries excluded because observations of the dependent variable were missing, the following 9 countries were also excluded because they were missing one or more observations one or more of the independent variables of interest:
  + Afghanistan
  + Comoros
  + Djibouti
  + Equatorial Guinea
  + Kiribati
  + Maldives
  + Sao Tome and Principe
  + Solomon Islands
  + Vanuatu
* This brings the total of entities with missing values up to 16, and the number of complete observations for analysis down to 33. Finally, the following 2 entities were missing values for one or more of the control variables:
  + Myanmar
  + Democratic Republic of Congo
* Thus, the total number of countries with complete data for both years is only 31, with 18 countries excluding due to missing values.

# Comparison Table: Model 2b (Excludes firms from natural resource industries)

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Original Study**  **Model 2b** | **Replication Study**  **Model 2b** | **Similarities/Differences** |
| **Voice and Accountability** | -7.409  (5.238) | -1.060  (7.122) |  |
| **Political Stability and Absence of Violence** | -2.563  (4.374) | -16.34\*\*\*  (5.325) | **Significant in reproduction.** |
| **Government Effectiveness** | 2.392  (6.026) | 2.839  (6.292) |  |
| **Regulatory Quality** | -15.724\*\*  (5.059) | 23.98\*\*\*  (7.491) | **Opposite signs.** |
| **Rule of Law** | 22.274\*  (8.928) | 14.95  (12.02) | **Not significant in reproduction.** |
| **Control of Corruption** | -29.514\*\*\*  (9.068) | -17.47\*\*  (8.690) | **Same sign.** |
| GNI per Capita | 0.071\*\*\*  (0.012) | 0.00993  (0.0318) | **Not significant in replication.** |
| Roads Paved (%) | -0.074  (0.271) | 0.0857  (0.464) |  |
| Phones per Capita | -0.179  (0.284) | 0.123  (0.178) |  |
| Geographic Proximity | 54.012\*\*\*  (6.732) | 26.45\*\*  (12.41) | **Same sign.** |
| Colonial Link | 5.149  (6.718) | 3.786  (7.451) |  |
| Constant | 13.179  (14.738) | -19.84  (14.08) |  |
| Number of complete observations | 42 | 33 |  |
| Model Fit - Chi-squared | 119.97\*\*\* | 33.08\*\*\* |  |
| Model Fit - Log Likelihood | -160.385 | -115.68 |  |

\* p < 0.05, \*\* p < 0.01, \*\*\* p < 0.001

# Comparison Table: Model 3b (Excludes firms from former colonial power)

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Original Study**  **Model 3b** | **Replication Study**  **Model 3b** | **Similarities/Differences** |
| **Voice and Accountability** | 0.904  (7.262) | 8.432  (15.75) |  |
| **Political Stability and Absence of Violence** | -19.242\*\*\*  (6.910) | -35.75\*\*\*  (11.09) | **Same sign.** |
| **Government Effectiveness** | 20.794\*  (8.338) | 1.406  (12.46) | **Not significant in reproduction.** |
| **Regulatory Quality** | -24.820\*\*\*  (7.637) | 48.13\*\*\*  (16.97) | **Opposite signs.** |
| **Rule of Law** | 36.540\*\*  (13.765) | 36.20  (26.55) | **Not significant in reproduction.** |
| **Control of Corruption** | -44.473\*\*\*  (12.715) | -37.09\*  (19.11) | **Same sign.** |
| GNI per Capita | 0.078\*\*\*  (0.017) | 0.0359  (0.0811) | **Not significant in reproduction.** |
| Roads Paved (%) | 1.196\*  (0.466) | 0.0777  (1.181) | **Not significant in reproduction.** |
| Phones per Capita | -0.350  (0.418) | 0.283  (0.459) |  |
| Geographic Proximity | 154.44\*\*\*  (20.504) | 36.13  (34.30) | **Not significant in reproduction.** |
| Colonial Link | NA | NA |  |
| Constant | -54.707\*  (24.694) | -44.54  (32.58) | **Not significant in reproduction.** |
| Number of complete observations | 42 |  |  |
| Model Fit - Chi-squared | 84.94\*\*\* | 25.64\*\* |  |
| Model Fit - Log Likelihood | -152.885 |  |  |

\* p < 0.05, \*\* p < 0.01, \*\*\* p < 0.001