**Supplementary file 1**

**Details of the mixed regression models used to estimate the adjusted means and 95% confidence limits shown in Figure 1.**

***Mixed logit model with first-author gender as outcome (woman=1).***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | **Coef.** | **SE (robust)** | **95% CI** |  |
|  **Fixed** | Intervention (dummy) | -.336 | .079 |  -.492  | -.181 |
|  **Random** | Variance intercept | .337 | .580 |  |  |
|  | Variance coefficient |  .205 | .453 |  |  |
|  |  Number of disciplines | 160 |  |  |  |
|  |  Number of observations | 23,469 |  |  |  |
|  |  Log Likelihood  |  -14881.7 |   |  |  |

***Mixed logit model with last-author gender as outcome (woman=1).***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | **Coef.** | **SE (robust)** | **95% CI** |  |
|  **Fixed** | Intervention (dummy) | -.117 | .086 |  -.286  | .052 |
|  **Random** | Variance intercept | .446 | .668 |  |  |
|  | Variance coefficient |  .243 | .493 |  |  |
|  |  Number of disciplines | 161 |  |  |  |
|  |  Number of observations | 24,175 |  |  |  |
|  |  Log Likelihood  |  -13581.9 |   |  |  |

***Mixed Logit Model Predicting the overall share of women per article as outcome.***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | **Coef.** | **SE (robust)** | **95% CI** |  |
|  **Fixed** | Intervention (dummy) | -.08 | .047 |  -.175  | -.010 |
|  **Random** | Variance intercept | .292 | .541 |  |  |
|  | Variance coefficient |  .133 | .365 |  |  |
|  |  Number of disciplines | 166 |  |  |  |
|  |  Number of observations | 21,119 |  |  |  |
|  |  Log Likelihood  |  -31660.2 |   |  |  |

***Mixed logit model with first-author gender as outcome (woman=1) (Time factor analysis).***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | **Coef.** | **SE (robust)** | **95% CI** |  |
|  **Fixed** | March+April (Dummy) | -.424 | .092 | -.604 | -.244 |
|  | May (Dummy) | -.223 | .108 | -.435 | -.010 |
|  **Random** | Variance intercept | .338 | .581 |  |  |
|  | Variance coefficient (March+April) |  .082 | .287 |  |  |
|  | Variance coefficient (May) | .253 | .503 |  |  |
|  |  Number of disciplines | 160 |  |  |  |
|  |  Number of observations | 23,469 |  |  |  |
|  |  Log Likelihood  |  -14880.5 |   |  |  |

***Mixed logit model with last-author gender as outcome (woman=1) (Time factor analysis).***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | **Coef.** | **SE (robust)** | **95% CI** |  |
|  **Fixed** | March+April (Dummy) | -.213 | .110 | -.429 | .003 |
|  | May (Dummy) | -.028 | .111 | -.246 | .189 |
|  **Random** | Variance intercept | .442 | .665 |  |  |
|  | Variance coefficient (March+April) | .1885 | .434 |  |  |
|  | Variance coefficient (May) |  .234 | 0.484 |  |  |
|  | Number of disciplines | 161 |  |  |  |
|  |  Number of observations | 24,175 |  |  |  |
|  |  Log Likelihood  |  -13580.5 |   |  |  |

***Mixed Logit Model Predicting the overall share of women per article as outcome (Time factor analysis).***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | **Coef.** | **SE (robust)** | **95% CI** |  |
|  **Fixed** | March+April (Dummy) | -.197 | .443 | -.301 | -.053 |
|  | May (Dummy) | .130 | .361 | -.120 | .104 |
|  **Random** | Variance intercept | .293 | .541 |  |  |
|  | Variance coefficient (March+April) |  .197 | .443 |  |  |
|  | Variance coefficient (May) | .130 | .361 |  |  |
|  | Number of disciplines | 166 |  |  |  |
|  |  Number of observations | 21,119 |  |  |  |
|  |  Log Likelihood  |  -31654.9 |   |  |  |