H0: data is generated from a power law distribution

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Type of Topic  (T[[1]](#footnote-1)) | PoweRlaw estimations  (MLE[[2]](#footnote-2)+KS[[3]](#footnote-3)) (\*) | | | | Bootstrapping uncertainty evaluation (\*\*) | | | |
|  |  | | | | Mean[[4]](#footnote-4) (SD[[5]](#footnote-5)) | | | P value |
| N=2388 |  |  | CP % ()[[6]](#footnote-8) | KS |  |  |  |  |
| T0 (541) | 2.125 | 26 | 29.76  (161) | 0.048 | 2.13 (0.12) | 28.08 (10.38) | 160.9  (42.9) | 0.204 |
| T1 (940) | 2.175 | 32 | 25.1  (236) | 0.039 | 2.18 (0.10) | 33.94 (10.81) | 236.5 (54.5) | 0.241 |
| T2 (662) | 2.025 | 17 | 44.4  (294) | 0.040 | 2.028 (0.08) | 19.24 (6.96) | 277.6 (59.4) | 0.144 |
| T3 (245) | 2.403 | 22 | 24.5  (60) | 0.076 | 2.416 (0.27) | 21.13 (6.89) | 68.19 (22.2) | 0.206 |

H1: data is not generated from a power law distribution

1. Total factors [↑](#footnote-ref-1)
2. Maximum Likelihood Estimation [↑](#footnote-ref-2)
3. Kolmogorov-Smirnov distant measure [↑](#footnote-ref-3)
4. Arithmetic mean [↑](#footnote-ref-4)
5. Standard deviation [↑](#footnote-ref-5)
6. Percentage (frequency ) accumulated data [↑](#footnote-ref-8)