|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Beta estimates and R2 of OLS Regressions | | | | | | | |
|  | UK | | | | | | | |
|  | Academic Personnel | | | | Urban population | | | |
| Discipline | ß | CI95 % | R2 | n | ß | CI95 % | R2 | n |
| Basic biology | 1.05 | *[0.86; 1.24]* | 0.85 | 55 | 1.39 | *[1.14; 1.65]* | 0.51 | 82 |
| Medicine | 0.83 | *[0.66; 1]* | 0.81 | 55 | 1.38 | *[1.24; 1.52]* | 0.75 | 98 |
| Applied biology | 0.74 | *[0.58; 0.89]* | 0.73 | 54 | 0.92 | *[0.73; 1.11]* | 0.43 | 83 |
| Chemistry | 1.04 | *[0.83; 1.24]* | 0.71 | 54 | 1.22 | *[1.01; 1.43]* | 0.48 | 67 |
| Physics | 1.07 | *[0.81; 1.32]* | 0.73 | 50 | 1.17 | *[0.93; 1.42]* | 0.45 | 61 |
| Space & earth science | 0.89 | *[0.67; 1.11]* | 0.67 | 54 | 1 | *[0.78; 1.23]* | 0.42 | 81 |
| Engineering | 1.14 | *[0.87; 1.42]* | 0.77 | 54 | 1.49 | *[1.25; 1.72]* | 0.53 | 74 |
| Mathematics | 1.24 | *[0.9; 1.58]* | 0.70 | 45 | 0.84 | *[0.32; 1.35]* | 0.17 | 47 |
| Arts & Humanities | 0.87 | *[0.73; 1.02]* | 0.82 | 54 | 1.*17* | *[0.97; 1.37]* | 0.53 | 76 |
| Social Science | 1.03 | *[0.87; 1.2]* | 0.87 | 55 | 1.29 | *[1.04; 1.54]* | 0.49 | 81 |
| All Disciplines | **0.9** | ***[0.*75; *1.04]*** | **0.88** | **55** | **1.4** | ***[1.26; 1.54]*** | **0.72** | **106** |

\* Staff data: ETER, HESA, 2014, and multi-site universities websites retrieved in 2020; Publication data: Web of Science/OST-HCERES (articles reviews and letters), 2014;

Population data: 2011 Census (ONS, NISRA and Public Health Scotland). NETSCITY urban areas.