**Peers Comparison of publications for TG/XD, Then and Now**

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|  | XSEDE | XSEDE-New |
| Years Range | 2005~2014 | 2005~2016 |
| Raw Entries | >20,000 | ~30000 |
| verified # pubs (at the time of study) | 5081 | 9426 |
| # distinct journals (when studied) | 673 | ~1400 |
| # journals studied | 66 | 122 |
| minimum # pubs in studied journals | 10 | 10 |
| effective # pubs compared with peers | 2349 | 5078 |
| # peers compared | 230k | 356k |
| % coverage of pubs | 46 | 54 |
| % pubs that the top 10% journals covered | 46 | 29 |
|  |  |  |
| Mean Percentile ranking | 61 | 59 |
| Median Percentile ranking | 65 | 63 |
| Mean nCited XD | 26 | 28 |
| Median nCited XD | 11 | 12 |
| Mean nCited Peers | 13 | 15 |
| Median nCited Peers | 5 | 5 |

Welch Two Sample t-test for **Percentile Ranking**

New:

data: rankxd$rank and rankpeers$rank

t = 25.4116, df = 5217.184, p-value < 2.2e-16

alternative hypothesis: true difference in means is not equal to 0

95 percent confidence interval:

9.066885 10.582792

sample estimates:

mean of x mean of y

59.18058 49.35574

Old:

data: rankxd$rank and rankpeers$rank

t = 21.4134, df = 2412.999, p-value < 2.2e-16

alternative hypothesis: true difference in means is not equal to 0

95 percent confidence interval:

10.80237 12.98029

sample estimates:

mean of x mean of y

61.24691 49.35558

Welch Two Sample t-test for **citation number**

New:

data: citexd$cite and citepeers$cite

t = 9.8328, df = 5105.452, p-value < 2.2e-16

alternative hypothesis: true difference in means is not equal to 0

95 percent confidence interval:

10.89992 16.32864

sample estimates:

mean of x mean of y

28.52462 14.91034

Old:

data: citexd$cite and citepeers$cite

t = 7.057, df = 2358.929, p-value = 2.228e-12

alternative hypothesis: true difference in means is not equal to 0

95 percent confidence interval:

9.399317 16.633103

sample estimates:

mean of x mean of y

26.46999 13.45378