

COMBINING IRUS-UK AND ALTMETRIC DATA

Case study using White Rose Research Online data as an example

Background

Nick Sheppard, from Leeds Beckett University, was interested in learning more about alternative metrics of top downloaded papers. He was currently recording details of the top downloaded papers (using IRUS-UK data) but wanted to find a way to bring together alternative metrics with this, to see if there is a correlation.

How do you use IRUS-UK?

Using the White Rose Research Online data as an example, the top 10 downloaded items were exported to CSV and tidied up to leave the DOIs. These were then imported into Google Sheets and the Altmetric Score added as an additional column. Nick was then able to sort data by Altmetric Score, or by downloads (from IRUS-UK), and look to see if there was a correlation. He also shared these findings and embedded Altmetric donuts into the list.

Outcome

The findings of this research were shared on the UKCoRR (United Kingdom Council of Research Repositories), and at conferences and events. In this particular case, there didn't appear to be a correlation between the downloads and the altmetrics, showing that there is definite value in having both different types of metrics to better understand usage of items in the repository.

1. King, T.E., Fortes, G.G., Balaresque, P., Thomas, M.G., Balding, D., Delser, P.M., Neumann, R., Parson, W., Knapp, M., Walsh, S., Tonasso, L., Holt, J., Kayser, M., Appleby, J., Forster, P., Ekserdjian, D., Hofreiter, M., Schürer, K. (2014) *Identification of the remains of King Richard III*. *Nature Communications*, 5, art. no. 5631



DOI lookup (Available OA from publisher: CC-BY)

Total downloads from **Leicester Research Archive** to April 2015: **132**

2. Sumner, Petroc, Vivian-Griffiths, Solveiga, Boivin, Jacky, Williams, Andrew James, Venetis, C. A., Davies, Aimee, Ogden, Jack, Whelan, Leanne, Hughes, Bethan, Dalton, Bethan, Boy, Frederic and Chambers, Christopher D. 2014. *The association between exaggeration in health related science news and academic press releases: retrospective observational study*. *BMJ* 349, g7015



DOI lookup (Available OA from publisher: CC-BY)

Total downloads from **Online Research @ Cardiff (ORCA)** to April 2015: **42**

Top downloaded articles with associated Altmetric Score

Next steps

Having shared the method and initial findings, other repositories have done similar. It will be interesting to see if there are different findings, and whether the findings have implications for understanding the value of items. Try it with your data using the guides linked below.

Related links

- <http://ukcorr.org/2015/05/28/network-effects-on-alternative-metrics/>
- <http://ukcorr.org/2015/06/12/ranking-altmetrics-diy/>
- <https://help.altmetric.com/support/solutions/articles/6000060969-how-is-the-altmetric-score-calculated->

IRUS-UK reports used

Article Report 4 (AR4)

Top 10 downloaded articles