ACADEMIC ANALYTICS

2016 Database (AAD 2016) Publications

OCTOBER 2017

Academic Analytics 2016 Database (AAD 2016)

Journal Articles

AAD 2016 takes advantage of DOIs® (digital object identifiers) for matching journal articles to scholars and measuring the breadth and scope of citations; this initiative incorporates data from CrossRef, the official DOI® link registration agency for scholarly and professional publications.

Our data warehouse consists of more than 33,000 journal titles, many of which cover the humanities, lettered social sciences, and professional fields (a discipline-by-discipline breakdown of journal titles we have matched to scholars is available on our online Portal on the home page, under the "Documents" tab). Additionally, conference proceedings are fully separated from journal articles (a process begun in the 2010 database year) and are now considered a distinct data element within our database.

Journal articles are collected directly from publishers. To prevent "double-counting" research activity of co-authored journal publications when two or more authors are in the same academic unit, each of them is credited with having written a publication. However, if two or more authors of the same article are in the same Ph.D. program, department, or other academic unit, this publication counts only once toward the number of unique publications produced by that academic unit (likewise, the citations garnered by this publication are counted only once for the program, although each of the co-authors is credited as having written a publication that has garnered citations).

We welcome feedback regarding our list of journal titles covered. Our criteria for including new journals are listed below, and a member of our Academic Solutions team will be happy to forward your request to our data team:

For a scholarly journal to be included in our database:
1. The journal must contain peer-reviewed articles that are distinguishable from other content (e.g., book reviews, obituaries, letters to the editor).
2. The journal must be published on a regular, ongoing basis;
3. The journal should have digital object identifiers (DOIs) associated with each unique article;
4. The journal should be currently in press (i.e., not defunct nor a merged/split title).

Conference Proceedings

Conference Proceedings are collected directly from publishers. A discipline-by-discipline breakdown of conference proceeding titles we have matched to scholars is available on our online Portal on the home page and under the "Documents" tab). To prevent "double-counting" research activity of co-authored conference proceedings when two or more authors are in the same academic unit, each of them is credited with having written a conference proceeding. However, if two or more authors of the same conference proceedings are in the same Ph.D. program, department, or other academic unit, this publication counts only once toward the number of unique publications produced by that academic unit (likewise, the citations garnered by this conference proceeding are counted only once for the program, although each of the co-authors is credited as having written a publication that has garnered citations).

We welcome feedback regarding our list of conference proceedings covered; a member of our Academic Solutions team will be happy to forward your request for enhanced conference proceeding inclusions to our data team.

Conference proceedings are currently matched only to scholars in the following disciplines (the broad field of the discipline is also given):

Aerospace Engineering | Engineering
Applied Mathematics | Physical and Mathematical Sciences
Applied Physics | Physical and Mathematical Sciences
Astronomy and Astrophysics | Physical and Mathematical Sciences
Biomedical Engineering | Engineering
Civil Engineering | Engineering
Computational Sciences | Physical and Mathematical Sciences
Computer and Information Sciences, various | Physical and Mathematical Sciences
Computer Engineering | Engineering
Computer Science | Physical and Mathematical Sciences
Electrical Engineering | Engineering
Engineering Mechanics | Engineering
Engineering, General | Engineering
Engineering, various | Engineering
Environmental Engineering | Engineering
Geological and Mining Engineering | Engineering
Industrial Engineering | Engineering
Information Science/Studies | Physical and Mathematical Sciences
Information Technology/Information Systems | Physical and Mathematical Sciences
Management Information Systems | Business
Materials Engineering | Engineering
Materials Science and Engineering | Engineering
Mechanical Engineering | Engineering
Nuclear Engineering | Engineering
Operations Research | Engineering
Physics, General | Physical and Mathematical Sciences
Systems Engineering | Engineering

Citations

Citations to journal articles and conference proceedings published in 2012, 2013, 2014, 2015 and 2016 are obtained from CrossRef on a periodic basis throughout the year. If an individual has published 10 articles between 2012 and 2016 (inclusive), and these articles have garnered 50 citations, then that individual would be credited with 50 citations for the 2016 data. Citations to articles published prior to 2012 are not included in the comparative database. Self-citations are currently included in the data, until we have sufficient technical capacity to accurately distinguish them from other citations on a national scale.

We currently track between five and one year of citations for each article, depending on the publication date. For articles published five years ago, five years have elapsed during which citations may have accrued (for the 2015 database, an article published in 2012 could have been cited in 2012, 2013, 2014, 2015 and 2016). An article published in 2013 could have been cited in 2013, 2014, 2015, or 2016 (four years of citations). An article published in 2014 could have been cited for three years (2014, 2015, or 2015); and so on. In sum, we have five years of citations to articles that are 5 years old, 4 years of citations to articles that are 4 years old, 3 years of citations to articles that are 3 years old, etc.

Books

Authors, co-authors, editors, co-editors and translators to books published in 2007-2016 (inclusive) are matched to faculty members in the 2016 data. Introductions, forewords and afterwards, authors of individual chapters, and citations to/in books are not currently captured. If a book has been published in multiple printings during the ten-year period under consideration, only one instance is included. If a book has been updated (editions) with each publication, all editions are included. If a book was originally published before 2007 and was published in a different format within the observed period, it is included (e.g., a book published originally in 2001 and released as a paperback in 2007 would be included).

The Academic Analytics data warehouse includes book publication data obtained from Baker & Taylor, The British Library and our own collection efforts. A book title is included once per author; all published books are weighted equally. Indications of authorship, co-authorship, editorship, and co-editorship are not currently separated into individual categories. As with journal articles and conference proceedings, co-authored/edited books duplication is removed as the data are aggregated to broader categories.

Books are included and weighted in the comparative data for the following broad subject areas:

- Business
- Education
- Family, Consumer and Human Sciences
- Health Professions Sciences
- Humanities
- Social and Behavioral Sciences