

ECS 193AB Winter/Spring2017

Faculty Bibliometrics Analysis Tool

This project involves building a suite of tools for crawling the web and identified publication sources for publications and data sets created by UD Davis faculty. There is currently no good system for determining the extent of research being conducted by UC Davis faculty and/or affiliates, or of the impact of that research. This project aims to solve this problem by building a collection of robots that traverse the web in search of faculty publications, websites, etc., and also references to these. The project will involve coding the bots that do the crawls, as well as functions for building network graphs between works and researchers and various other tools for reporting and visualizing results. The results will be integrated with Library Data Management Platforms and Archival systems, and will be used by the Library and the Office of the Chancellor to assess the impact of UC Davis faculty work.

Contact:

Carl G. Stahmer, PhD
Director of Digital Scholarship
Library of the University of California, Davis
Associate Director for Humanities
UC Davis Data Science Initiative
cstahmer@ucdavis.edu (<mailto:cstahmer@ucdavis.edu>)
[530-752-1138](tel:530-752-1138) (<tel:530-752-1138>)

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