

# ENABLING RESEARCH THROUGH INNOVATION AND COLLABORATION

JSTOR's Showcase and Data for Research Initiatives



In the past 2 years, portions of the JSTOR dataset — 30 million pages of digitized scholarship — have been used by researchers around the world as a base for projects like developing algorithms to generate topic maps spanning hundreds of years of scientific research and exploring how key descriptive terms in disciplines like astronomy have evolved from the mechanics of building telescopes to the analysis of stellar and galactic lifecycles.

We invite the academic community to collaborate with us to advance knowledge using new technologies.

*“For scholars, massive digitization and open access are not ends unto themselves. The central issue is whether scholars can advance knowledge in ways that were not previously possible.”*

Donald Waters, Scholarly Communications Program  
Officer, Andrew W. Mellon Foundation

## SHOWCASE

<http://showcase.jstor.org>

Showcase brings together new advanced technology initiatives to encourage text-mining and other innovative uses of the JSTOR data, expose developing technologies and applications to users, and create a cross-institutional community for sharing project information, software, and ideas.

### Featured projects:

◆ **Topic Modeling**

David Blei, Princeton

◆ **ORE Resource Maps**

University of Liverpool +  
HP Labs + JSTOR

## DATA FOR RESEARCH

<http://dfr.jstor.org>

Data for Research provides a visualization tool to analyze the data within JSTOR and the ability to download datasets of metadata and word frequency counts.

Users are able to generate datasets using an exploration tool - they can search for different words in different time spans, narrowing their search by discipline, journal, language, or article type. Graphs show aspects of the resulting dataset, such as frequency of articles including the search term by year and the proportion of disciplines that those articles come from.

## BECOME PART OF THE COMMUNITY

If you have some research or tools that would be of value to the wider community and/or an interest in gaining access to JSTOR data and connecting with other researchers, please contact us at [dfr@jstor.org](mailto:dfr@jstor.org)

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## JSTOR ADVANCED TECHNOLOGY RESEARCH

JSTOR is committed to playing a proactive role in technology innovation. In pursuit of this, we created an Advanced Technology Research team just over a year ago. In collaboration with other researchers throughout the academic community, this team's aim is to invent and apply technology to enhance, explore, and allow more effective use of the content in the JSTOR archive. This will, we hope, bring significant additional value to the communities that we serve.



### THE TEAM

The team includes scientists and technologists from a variety of fields, including Mathematics, Genetics, Library Science, and Computer Science. We collaborate with and aid other researchers from the academic community and beyond. There is a tremendous amount of exciting and innovative work occurring within academic and other research institutions, which we will leverage in order to aid scholarly research as a whole. Some of our current partners include researchers at DKFI (German Artificial Intelligence Center), HP Labs, Princeton, Tufts University, the University of Liverpool, the University of Washington.



*Trusted archives for scholarship*