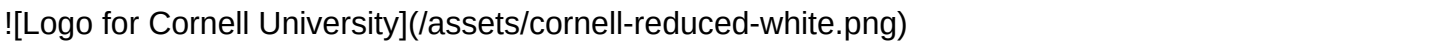
Skip to content



[We gratefully acknowledge support from the Simons Foundation, member institutions, and all contributors.](https://arxiv.org/about/funding)

[![logo](../assets/arxiv-logo-one-color-white.svg)](https://arxiv.org "arXiv info")

arXiv info

arXivLabs: Showcase

Initializing search

[GitHub](https://github.com/arXiv/arxiv-docs "Go to repository")

[![logo](../assets/arxiv-logo-one-color-white.svg)](https://arxiv.org "arXiv info") arXiv info

[GitHub](https://github.com/arXiv/arxiv-docs "Go to repository")

* [Home](../index.html)
* About About
  * [About arXiv](../about/index.html)
  * [Who we are](../about/people/index.html)

* Governance Governance

* [arXiv Governance Model](../about/governance.html)

* [Bylaws](../about/arXiv_bylaws.html)

* [arXiv Advisory Board](../about/people/arxiv_advisory_board.html)

* [Science Advisory Council](../about/people/science_advisory_council.html)

* [Editorial Advisory Council](../about/people/editorial_advisory_council.html)

* [Institutions Advisory Council](../about/people/institutions_advisory_council.html)

* [Membership](../about/membership.html)

* [Funding](../about/funding.html)

* [Reports](../about/reports/index.html)

* [Accessibility](../about/accessibility.html)

* [arXiv Blog](https://blog.arxiv.org/)

* Help Help

* [arXiv Help Contents](../help/index.html)

* Submit an Article Submit an Article

* [Submission Overview](../help/submit/index.html)

* [Submit TeX/LaTeX](../help/submit_tex.html)

* [Submit a PDF](../help/submit_pdf.html)

* FAQ FAQ

* [Frequently Asked Questions](../help/faq/index.html)

* [LaTeX2e class for Astronomy & Astrophysics](../help/faq/aaclass.html)

* [AMS LaTeX packages and AMS Journal styles](../help/faq/amslatex2000.html)

* [Downloaded .gz Files that are not Gzipped](../help/faq/browsergunzip.html)

* [Why do my citations appear in long form](../help/faq/citelinks.html)

* [Examples of TeX Double Subscripts](../help/faq/doublesubscript.html)

* [Papersize/Layout Problems: Margins are Different and/or Text is Truncated](../help/faq/dvips.html)

* [Using Feynmf on arXiv](../help/faq/feynmf.html)
* [Proprietary fonts and/or their free equivalents](../help/faq/freefonts.html)
* [How to Prepare Pages for Landscape Printout](../help/faq/landscape.html)
* [Common Mistakes that cause Automated Processing to Fail](../help/faq/mistakes.html)
* [Why do my user defined symbols display incorrectly](../help/faq/pd1enc.html)
* [Why are some pages in the generated PDF file rotated?](../help/faq/pdfrotate.html)
* [Why are there Problems with my PostScript File?](../help/faq/psbad.html)
* [Why is my PostScript File so Large?](../help/faq/psjunk.html)
* [Using PSTricks on arXiv](../help/faq/pstricks.html)
* [References to and in arXiv Documents](../help/faq/references.html)
* [Status of REVTeX 4 and REVTeX 4.1 support](../help/faq/revtex.html)
* [Nota Bene (updated 30 Jun '97)](../help/faq/srcfaq.html)
* [Frequently Asked Questions on Public Statistics](../help/faq/statfaq.html)
* [Notes about arXiv's TeXLive Version](../help/faq/texlive.html)
    * [Why doesn't my processed TeX submission look the way I expected it?](../help/faq/texprobs.html)
* [Textures](../help/faq/textures.html)
* [Why Does My Paper Give the Wrong Date?](../help/faq/today.html)
    * [Why doesn't my paper have the arXiv id stamped on the side of the page?](../help/faq/whynostamp.html)
* [Status Information](../help/submit_status.html)
* [Ancillary Files (data, code, images)](../help/ancillary_files.html)
* [Availability of submissions](../help/availability.html)
* [Category cross listing](../help/cross.html)
* [Endorsement](../help/endorsement.html)
* [Adding Journal Reference and DOI](../help/jref.html)
* [Licenses](../help/license/index.html)

  * [Text Overlap](../help/overlap.html)
  * [Metadata for Required and Optional Fields](../help/prep.html)
  * [Submit a new version of a work](../help/replace.html)
  * [Oversized Submissions](../help/sizes.html)
  * [Submit a Paper List for Conference Proceedings](../help/submit_index.html)
  * [Creating tar and zip Files for Upload](../help/tar.html)
  * [What is TeX](../help/tex.html)
  * [Proxy / Third Party Submission](../help/third_party_submission.html)
  * [Translations](../help/translations.html)
  * [Version Availability](../help/versions.html)
  * [Why Submit TeX?](../help/faq/whytex.html)
  * [Withdraw / Retract a Submission](../help/withdraw.html)

* Find and Read Articles Find and Read Articles
  * [Finding Articles](../help/find/index.html)
  * [Search for articles](../help/find.html)
  * [Viewing submissions](../help/view.html)
  * [Email subscriptions for new papers](../help/subscribe.html)
  * [arXiv Identifier](../help/arxiv_identifier.html)
  * [Configuring your browser](../help/config_browser.html)
  * [RSS Feeds](../help/rss.html)
  * [Licenses](../help/license/index.html)
  * [Permissions and Reuse](../help/license/reuse.html)
  * [What is MathJax?](../help/mathjax.html)

* Accounts Accounts
  * [Index](../help/accounts/index.html)
  * [Directions for Author Registration](../help/registerhelp.html)
  * [Author Identifiers](../help/author_identifiers.html)

    * [ORCID identifiers](../help/orcid.html)
    * [Authority Records](../help/authority.html)
    * [Why isn't a Person "Registered as an Author?"](../help/not-registered.html)
  * Bulk Access to Metadata and Full Text Bulk Access to Metadata and Full Text
    * [Index](../help/bulk_data/index.html)
    * [arXiv Identifier for Interacting Services](../help/arxiv_identifier_for_services.html)
    * [Full Text via S3](../help/bulk_data_s3.html)
    * [API for Metadata](../help/api/index.html)
    * [RSS Feeds](../help/rss.html)
    * [Institutional Repository Interoperability](../help/ir.html)
    * [Automated DOI and journal reference updates from publishers](../help/bib_feed.html)
* Brand Brand
  * [Our Brand](../brand/index.html)
  * [Name and logo use](../brand/brand-guidelines.html)
  * [Brand pillars](../brand/brand-pillars.html)
  * [Colors](../brand/colors.html)
  * [Fonts](../brand/fonts.html)
  * [Images](../brand/images.html)
  * [Logos](../brand/logos.html)
  * [Quotes](../brand/quotes.html)
  * [Swag](../brand/swag.html)
  * [Tagline](../brand/tagline.html)
  * [Typography](../brand/typography.html)
  * [Voice](../brand/voice.html)
* Labs Labs
  * [arXivLabs: An invitation to collaborate](index.html)
  * arXivLabs: Showcase [arXivLabs: Showcase](showcase.html) Table of contents

* arXivLabs: Showcase
* arXiv Bibliographic Explorer
* ar5iv
* CORE recommender
* arXiv Links to Code & Data
* Connected Papers
* Litmaps
* Hugging Face Spaces
* IArxiv
* Scite Smart
* ScienceCast
* Replicate
* Influence Flower
* DagsHub

* Policies Policies
  * [arXiv Policies](../help/policies/index.html)
  * [Code of conduct](../help/policies/code_of_conduct.html)
  * [Privacy policy](../help/policies/privacy_policy.html)
  * [Identity, affiliation, and registration](../help/policies/identity_and_affiliation.html)
  * [Submission terms and agreement](../help/policies/submission_agreement.html)
  * [Paper ownership](../help/authority.html)
  * [Submission Guidelines](../help/submit/index.html)
  * [Submission schedule and cutoff time](../help/availability.html)
  * [Content Moderation](../help/moderation/index.html)
  * [License and copyright](../help/license/index.html)
  * [Withdrawals](../help/withdraw.html)
  * [Cross listing](../help/cross.html)

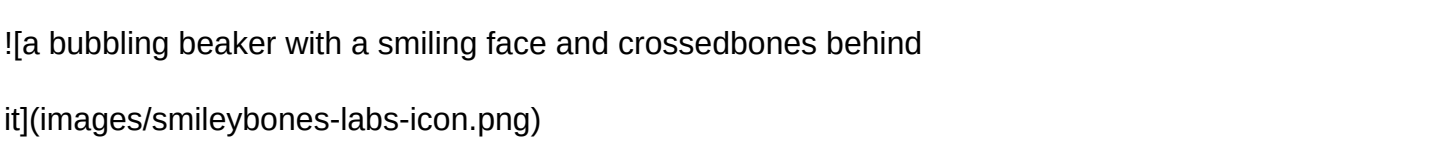
* [Translations](../help/translations.html)
* [Non-English submissions](../help/faq/multilang.html)
* [Text Overlap](../help/overlap.html)
* [Requiring TeX when possible](../help/faq/whytex.html)
* [Third party submission](../help/third_party_submission.html)
* [Categories](https://arxiv.org/category_taxonomy)
* [arXiv Usage Stats](../help/stats/index.html)

Table of contents

* arXivLabs: Showcase
* arXiv Bibliographic Explorer
* ar5iv
* CORE recommender
* arXiv Links to Code & Data
* Connected Papers
* Litmaps
* Hugging Face Spaces
* IArxiv
* Scite Smart
* ScienceCast
* Replicate
* Influence Flower
* DagsHub

[ ](https://github.com/arXiv/arxiv-docs/blob/develop/source/labs/showcase.md "Edit this page")

arXivLabs: Showcase



arXiv is surrounded by a community of researchers and developers working at the cutting edge of information science and technology.

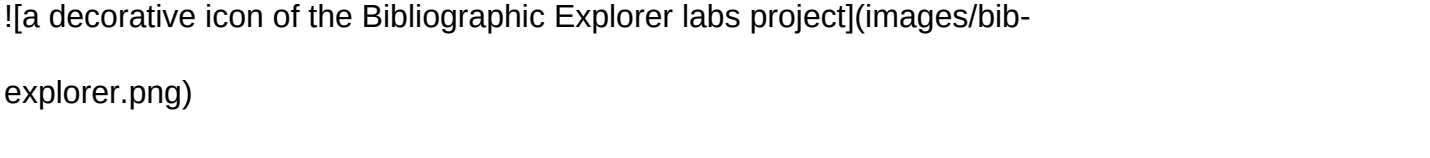
While the arXiv team is focused on our core missionâ€”providing rapid dissemination of research findings at no cost to readers and submittersâ€”we are excited to be experimenting with a small number of collaborators on projects that add value for our stakeholders and advance research.

Interested in proposing a new arXiv Labs project? Please [use our support portal](https://arxiv-org.atlassian.net/servicedesk/customer/portal/6) to fill out a proposal, or ask questions.

Below are some of the projects that our collaborators have done.

* * *

arXiv Bibliographic Explorer



[Bibliographic Explorer code

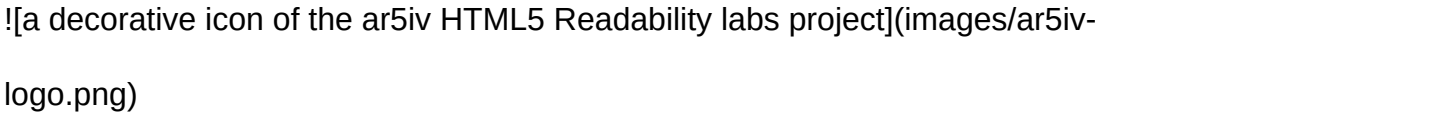
repository](https://github.com/mattbierbaum/arxiv-bib-overlay)

Collaborators: **Matt Bierbaum** , Cornell Computing and Information Science

arXiv Bibliographic Explorer displays information about works that cite and are cited by arXiv papers and their published versions. The primary objective of the project is to enable discovery of relevant research and context by providing user-friendly navigation of an article's citation tree.

* * *

ar5iv



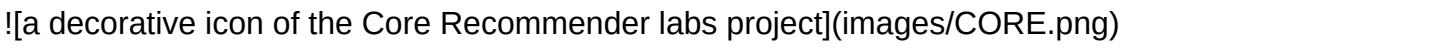
[ar5iv code repository](https://github.com/cul-it/arxiv-readability)

Collaborators: **Michael Kohlhase and Deyan Ginev** from Friedrich-Alexander UniversitÃ¤t Erlangen-NÃ¼rnberg, **Bruce Miller** from National Institute of Standards and Technology (NIST) and **Ben Firschman** from arXiv-Vanity.

Our top priority is to provide a high-quality service to all arXiv authors and readers. The overarching objective of this project is to significantly improve the usability and accessibility of arXiv papers. While providing HTML is not a panacea, it is a first step in the right direction.

* * *

CORE recommender



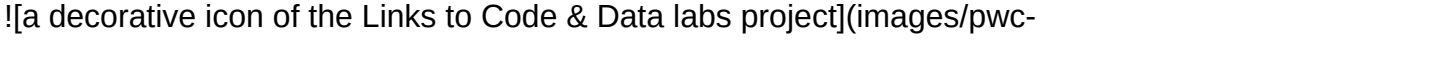
[CORE Recommender arXiv paper](https://arxiv.org/abs/1705.00578), [Research outputs by CORE](https://core.ac.uk/about/research-outputs/)

Collaborators: **[CORE Team](https://core.ac.uk/about/#team)**

Explore relevant open access papers from across a global network of research repositories while browsing arXiv. Research papers are recommended from both arXiv and other over 10 thousand open access data providers and brought to you by [CORE](https://core.ac.uk/), the worldâ€™s largest aggregator of open access research.

* * *

arXiv Links to Code & Data



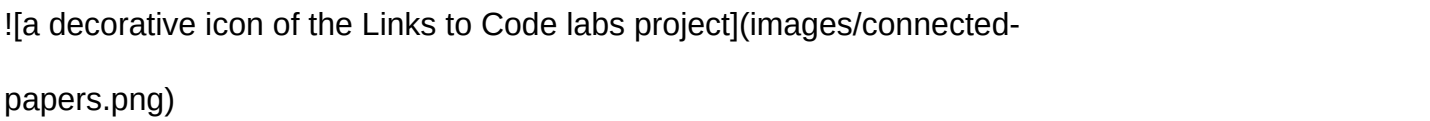
[Links to Code repository](https://github.com/arXiv/arxiv-browse/tree/develop/browse/static/js/paperswithcode.js)

Collaborators: **Robert Stojnic, Viktor Kerkez, and Ludovic Viaud** , from Papers with Code / Meta AI Research

arXiv Links to Code & Data aims to provide an easy and convenient way to find relevant code for a paper. It is using data from [Papers with Code](https://paperswithcode.com) \- a free resource that links papers, code and results in Machine Learning. Papers with Code is the biggest such resource and is licensed under an open license.

* * *

Connected Papers



[Connected Papers code repository](https://github.com/arXiv/arxiv-browse/tree/develop/browse/static/js/connectedpapers.js), [about Connected Papers](https://www.connectedpapers.com/about)

Collaborators: **Alex Eitan Tarnavsky, Eddie Smolyansky, Itay Knaan Harpaz, and Sahar Perets** , from Connected Papers

[Connected Papers](https://www.connectedpapers.com) is a unique, visual tool to help researchers and applied scientists find and explore papers relevant to their field of work. You can use Connected Papers to:

* Get a visual overview of a new academic field

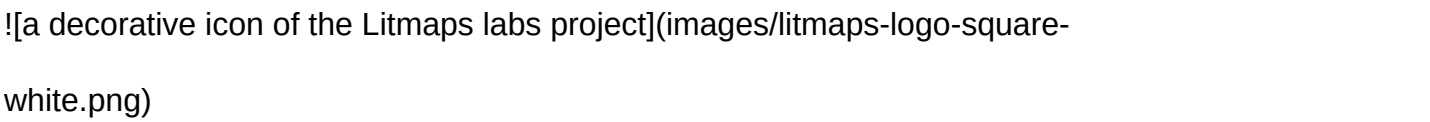
* Create a bibliography to your thesis

* Discover the most relevant prior and derivative works

* Or simply explore paper-space!

* * *

Litmaps



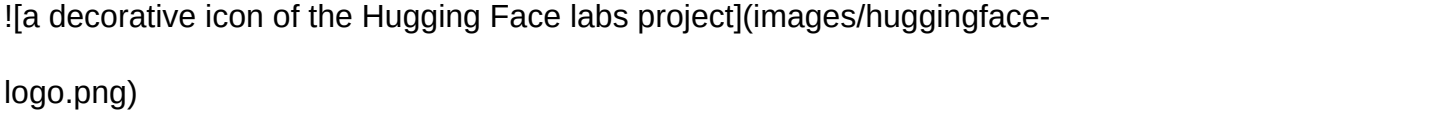
[About Litmaps](https://www.litmaps.co/about)

Collaborators: **Kyle Webster, Axton Pitt, Digl Dixon, Hamish Huggard, Racheal Reeves** , Litmaps

[Litmaps](https://www.litmaps.co) is an innovative research discovery tool. It combines interactive citation maps, modern search tools, and targeted updates to create a cohesive research discovery experience. It can visualize your research topic with everything from articles, patents, books, pre-prints, and e-prints. From arXiv abstract pages, you can build a literature map from the arXiv article you are viewing, visualizing the top connected articles, and browse the citation network around it.

* * *

Hugging Face Spaces



[Hugging Face code repositories](https://github.com/orgs/huggingface/repositories), [About Hugging Face](https://huggingface.co/huggingface)

Collaborators: **Abubakar Abid** , **Omar Sanseviero** , **Ahsen Khaliq** , and the **[Hugging Face team](https://huggingface.co/huggingface)**

Hugging Face Spaces includes links to demos created by the community or the authors themselves. By going to the Demos tab of your favorite paper in the arXiv categories of computer science, statistics, or electrical engineering and systems science, you can find links to open-source demos and try them out immediately. With Spaces, Hugging Face users can share, explore, discuss models, and build interactive applications that enable anyone with a browser to try them out without having to run any code. These demos are built using open-source tools such as the Gradio and Streamlit Python libraries, and leverage models and datasets available on the Hugging Face Hub.

* * *

IArxiv

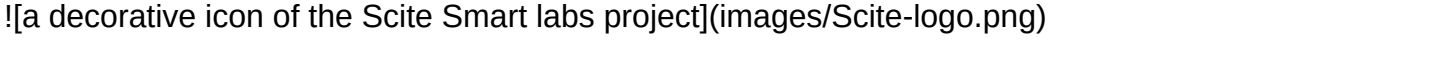
[About IArxiv](https://iarxiv.org/about), [Sign up for IArxiv](https://iarxiv.org/home)

Collaborators: **Ezequiel Alvarez** , ICAS, Professor at UNSAM, **Cesar Miquel** , Easytech, and the **[Easytech team](https://iarxiv.org/about)**

IArxiv allows readers to receive, by email, daily arXiv papers in a growing number of categories sorted by artificial intelligence according to their preferences. IArxiv learns each readerâ€™s preferences first by fetching previous papers authored by the reader. Then, those preferences are updated over time based on the papers opened by that reader within the emails or on iarxiv.org. IArxiv runs an unsupervised Machine Learning algorithm, called LDA, to extract which topics are present in each paper, and in which proportions, to construct a vector of topics for each reader.

* * *

Scite Smart



[About Scite Smart](https://scite.ai/)

Collaborators: **Josh Nicholson** , **Domenic Rosati**.

Scite is a platform for discovering and evaluating scientific articles via
Smart Citations. Smart Citations allow users to see how a publication has been
cited by providing the context of the citation and a classification describing
whether it provides supporting or contrasting evidence for the cited claim.
With the Scite Smart Labs project, viewers can see this information directly
on the abstracts page.

* * *

ScienceCast

[About ScienceCast](https://sciencecast.org/pages/about)

Collaborators: **Andrew Jiranek** , ScienceCast, Inc.

ScienceCast links arXiv papers to interactive video and audio presentations.
In addition, AI-generated audio summaries are available for arXiv papers.
ScienceCast is a free open-access platform for researchers to disseminate
their scientific results and ideas to a wide audience of fellow scientists.

* * *

Replicate

[About Replicate](https://replicate.com/about), [Replicate arXiv docs](https://replicate.com/docs/arxiv)

Collaborators: **Ben Firshman** and **the Replicate team**

Machine learning is still extremely hard to use. Research is typically published as a PDF, with scraps of code on GitHub and weights on Google Drive. The Replicate Labs project makes it easy to share and associate your machine learning model with your arXiv paper in a way that is easy for other people to use.

* * *

Influence Flower

[About Influence Flower](https://influencemap.cmlab.dev/), [Influence Flower Paper](https://arxiv.org/abs/1907.12748)

Collaborators: **Minjeong Shin** , **Lexing Xie**

Influence flower visualizes citation influences among academic entities, including papers, authors, institutions, and research topics.

* * *

DagsHub

![The DagsHub logo, an illustration of the head of a pug dog](images/dagshub-logo.png)

[About DagsHub](https://dagshub.com/about)

Collaborators: **Dean Pleban** and the **[DagsHub Team](https://dagshub.com/about#team-div)**

DagsHub provides a central location where projects can be hosted, discovered, and collaborated on. Discover full and reproducible implementations of research papers on arXiv.

* * *

We are grateful to the [volunteer developers](https://info.arxiv.org/about/people/developers.html) who contribute to the arXiv codebase and invite you to get involved. Please see the [arXivLabs submission portal](https://arxiv-org.atlassian.net/servicedesk/customer/portal/6) and [guidelines for contributors](https://github.com/arXiv/.github/blob/master/CONTRIBUTING.md) for more information about contributing to arXivLabs.

* [About](https://arxiv.org/about)

* [Help](https://arxiv.org/help)

* [Copyright](https://arxiv.org/help/license)

* [Privacy Policy](https://arxiv.org/help/policies/privacy_policy)

* contact arXivClick here to contact arXiv [Contact](https://arxiv.org/help/contact)

* subscribe to arXiv mailingsClick here to subscribe [Subscribe](https://arxiv.org/help/subscribe)

* Report an issueClick here to report an issue with arXiv's documentation in github [Report a documentation issue](https://github.com/arXiv/arxiv-docs/issues)

* [Web Accessibility Assistance](https://arxiv.org/help/web_accessibility)

* [arXiv Operational Status](https://status.arxiv.org)

Get status notifications via

[email](https://subscribe.sorryapp.com/24846f03/email/new) or

[slack](https://subscribe.sorryapp.com/24846f03/slack/new)