

Semantic Scholar

CORD-19 Overview



A12

“AI for the Common Good”



Semantic **Scholar**

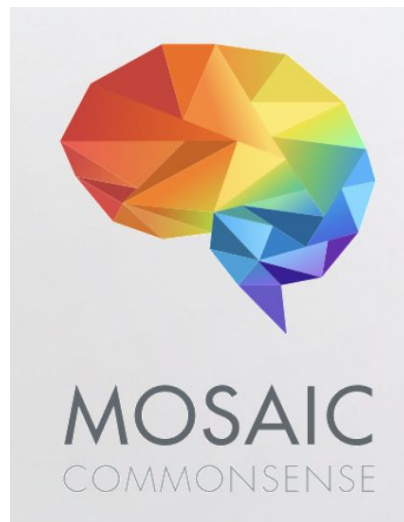
AllenNLP

PRIOR

Perceptual Reasoning & Interaction Research

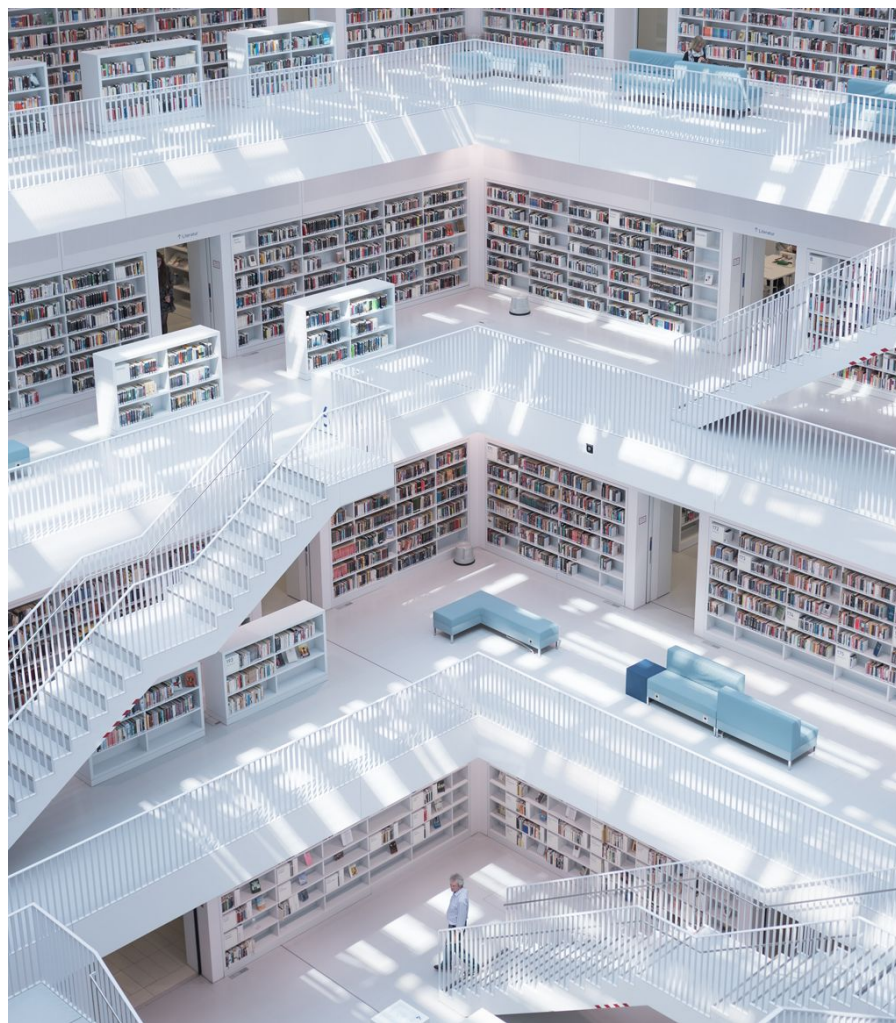


ARISTO



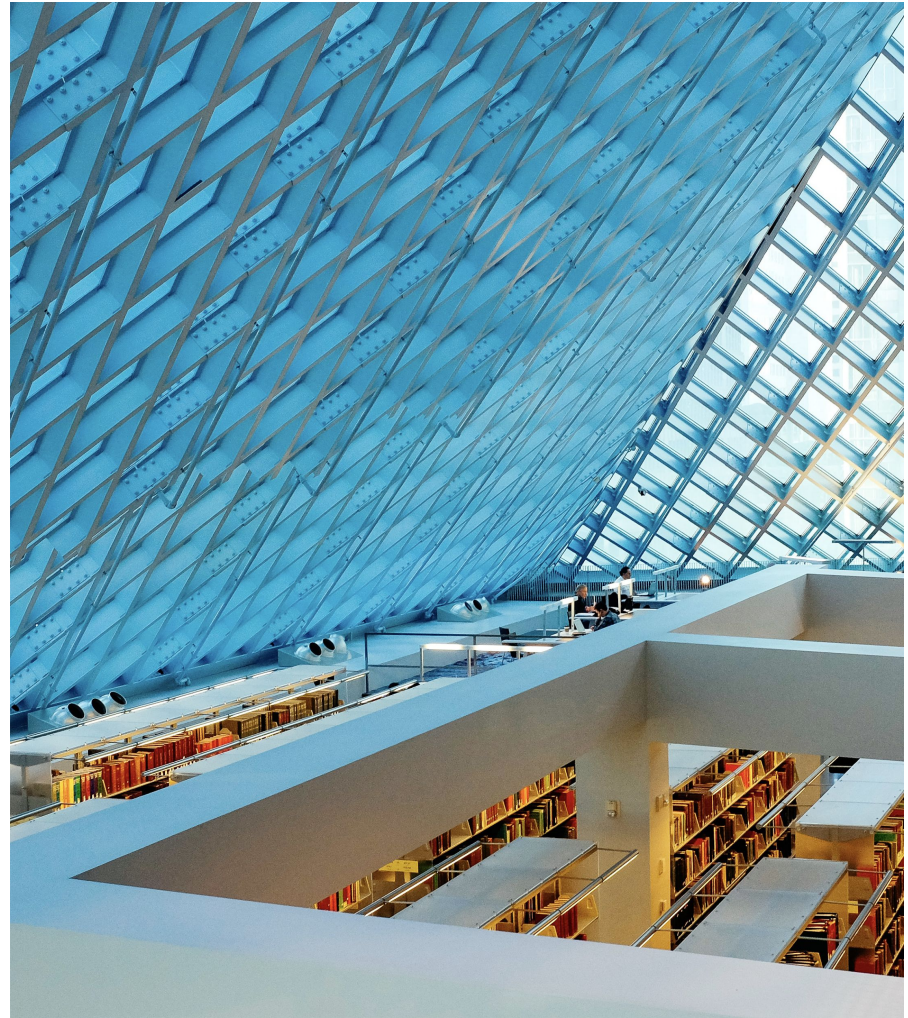
Semantic Scholar is a free, AI-powered research tool for scientific literature.

We extract meaning and identify connections from within papers, and surface these insights to help scholars discover and understand research.



Our Mission

We help scholars overcome information overload by empowering them to **discover** and **understand** the scientific literature most relevant to their work.



Our Journey

Semantic Scholar Milestones

● **Launches In
Computer
Science**

3M papers

2015

● **Expands To
Neuroscience**

10M papers

2016

● **Expands To
BioMedicine**

1M monthly active users

40M papers

2017

● **Scientific
Content
Expansion**

2M monthly active users

42M papers

Microsoft Academic
Partnership Signed

2018

● **Expands To All
Scientific Fields
of Study**

7M monthly active users

180M+ papers

Partnerships with 550+
Publishers, University
Presses and Scholarly
Societies

2019

Academic Knowledge Graph

The screenshot shows the Semantic Scholar interface for the paper "Why Should I Trust You?": Explaining the Predictions of Any Classifier. The page includes the title, authors (Marco Túlio Ribeiro, Sameer Singh, Carlos Guestrin), publication details (2016 in HLT-NAACL Demos), and a DOI. The abstract discusses the importance of understanding model predictions for trust. Below the abstract are buttons for Save, Watch Paper, Cite, and View on ArXiv. On the right, there are three informational boxes: "Highly Influential" (84 citations), "Highly Cited" (1,015 citations), and "Recent Discussions" (548 tweets). At the bottom, there are four content cards: a video, a GitHub repository for "lime-experiments", presentation slides, and another video.

"Why Should I Trust You?": Explaining the Predictions of Any Classifier

Marco Túlio Ribeiro, Sameer Singh, Carlos Guestrin • Published 2016 in HLT-NAACL Demos • DOI: 10.1145/2939672.2939778

Despite widespread adoption, machine learning models remain mostly black boxes. Understanding the reasons behind predictions is, however, quite important in assessing trust, which is fundamental if one plans to take action based on a prediction, or when choosing whether to deploy a new model. Such understanding also provides insights into the model, which can be used to transform an untrustworthy model or prediction into a trustworthy one.

In this work, we propose LIME, a novel explanation... [CONTINUE READING](#)

[Save](#) [Watch Paper](#) [Cite](#) [View on ArXiv](#)

Content from the Authors & Other Sources

- VIDEO**
Why Should We Trust An AI? | Two Minute Papers #233
Two Minute Papers
3 March 2018
- GITHUB REPO**
lime-experiments
Code for all experiments.
marcotcr/lime-experiments • 124 Stars
In collaboration with Papers with Code
- PRESENTATION SLIDES**
"Why Should I Trust You?": Explaining the Predictions of Any Classifier
- VIDEO**
"Why Should I Trust you?" Explaining the Predictions of Any Classifier
UCPsUUDUicTJuP-fRa7z85aQ
10 October 2016

Graph Data Structure:

180M+ papers

60M+ authors

350k+ topics

"Things are moving so fast that the classical literature review is an inefficient and incomplete way of informing yourself about the state of knowledge on a topic"

-- President of Pharmaceuticals, Aker BioMarine

COVID-19 Open Research Dataset (CORD-19)

Access this dataset to help with the fight against COVID-19

A Free, Open Resource for the Global Research Community

In response to the COVID-19 pandemic, the [Allen Institute for AI](#) has partnered with leading research groups to prepare and distribute the COVID-19 Open Research Dataset (CORD-19), a free resource of over 47,000 scholarly articles, including over 36,000 with full text, about COVID-19 and the coronavirus family of viruses for use by the global research community.

This dataset is intended to mobilize researchers to apply recent advances in natural language processing to generate new insights in support of the fight against this infectious disease. The corpus will be updated weekly as new research is published in peer-reviewed publications and archival services like [bioRxiv](#), [medRxiv](#), and others.

CORD-19 Explorer is a quick and easy way to search the CORD-19 corpus, and **CoViz** allows you to discover associations between concepts appearing in the dataset. Or, get started by downloading the complete data below.



Future Work - COVID-19

- Daily updates and corpus expansion
- Entity and relation extraction
- Citation and reference extraction and linking
- Table parsing
- Clinical trials linking
- Additional research tools