

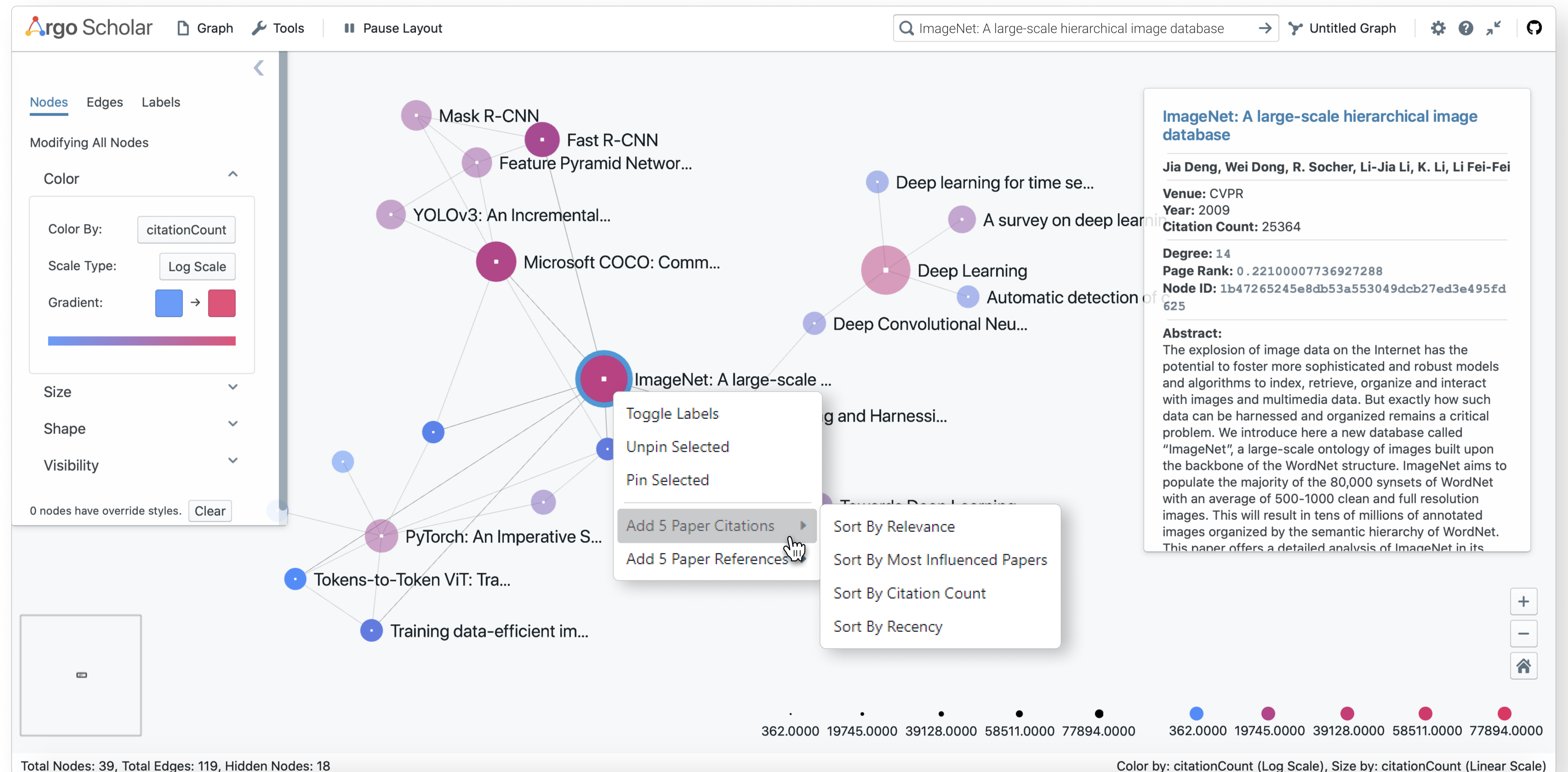
Evaluation of Argo Scholar with Observation Study

Kevin Li Haoyang Yang Evan Montoya Anish Upadhayay Zhiyan Zhou Jon Saad-Falcon Polo Chau
 kevin.li@gatech.edu



We present a **large-scale** evaluation of Argo Scholar, an open-sourced, web-based tool for literature exploration.

Try Argo Scholar at poloclub.github.io/argo-scholar



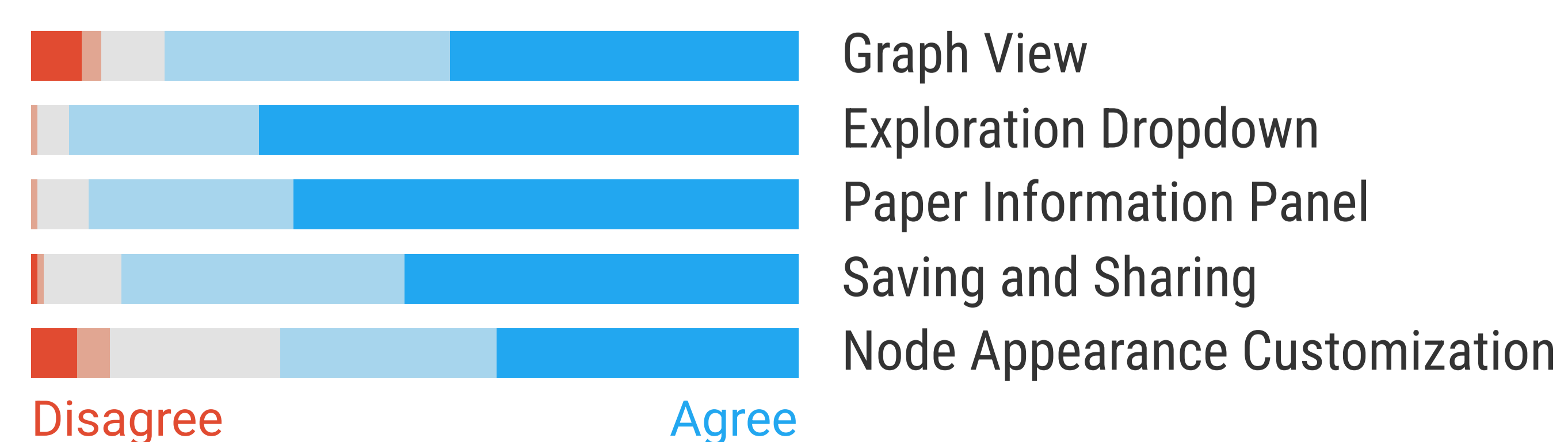
122 Diverse Participants

- 51 Social, Behavioral & Economic Sciences (SBE)
- 24 Biological Sciences (BIO)
- 21 Computer & Information Science & Eng. (CISE)
- 9 Engineering (ENG)
- 6 Mathematical & Physical Sciences (MPS)
- 5 Education & Human Resources (EHR)
- 3 Integrative Activities (OIA)
- 2 Environmental Research & Education (ERE)
- 1 Geosciences (GEO)

Usability



Feature Usefulness



Key Findings

Incremental exploration works well across a wide range of disciplines and helps find related work and understand relationships between such articles

*"I have never been able to map out citations and references for research papers so quickly in an organized fashion."
 "... it helped me to find some relevant papers I hadn't come across yet ... could be very helpful for my dissertation."*

No one-size-fits-all literature exploration tool

*"Love the node aspect and makes showing connections to other papers super easy!"
 "... not how my mind works. I can see that it could be very powerful for some people, though."*

Need for increased user interactions

*"to make my own ... lines to connect some of my own connections" "sticky note function"
 "Very easy to publish ... Can save lots of time working with my colleagues"*