

SIPTA-Community based on Paper Contributions

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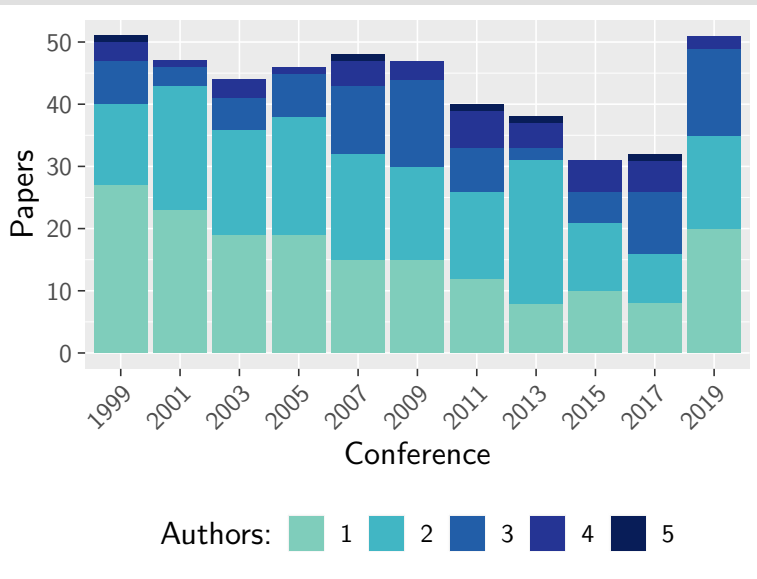
ISIPTA Collaboration Network: Background

- ▶ Started as series of poster-only contributions
- ▶ Important years:
 - ▶ **2011**: First poster with data to 2009 at ISIPTA '11
 - ▶ **2015**: Updated with data to 2013 at ISIPTA '15
 - ▶ **2017**: Special edition with ECSQARU; updated to 2017
 - ▶ **2018**: Major revision increasing data quality

Data Basis

- ▶ Initial data collection (2011):
paper title, author(s) of papers, keywords, abstracts, e-mail address of author
Web scraped and converted to ASCII; location of author by location of e-mail provider
Rudimentary automatic cleaning
- ▶ 1. revision (2015):
Using official Bib $\text{T}_\text{E}\text{X}$ as source (2013 onwards)
- ▶ 2. revision (2017):
Author's location by provided affiliation
- ▶ 3. revision (2018):
Correction of scraping errors and inconsistencies
Technical standardization of keywords

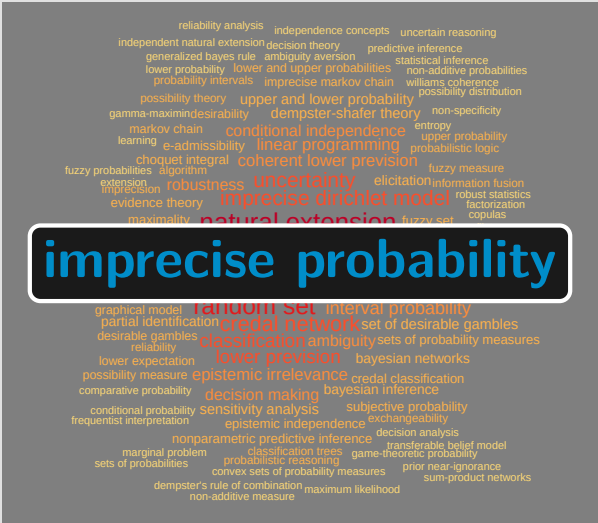
Disaggregation of Paper Count



Keyword Cloud

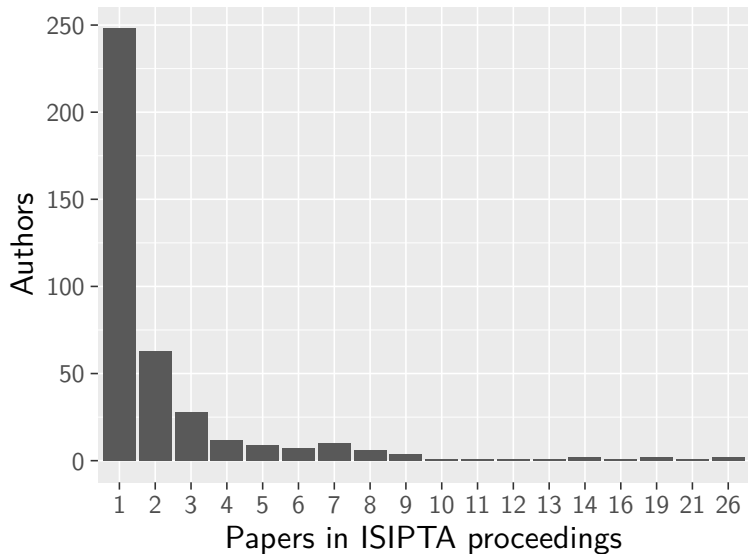


Which prominent keyword is missing?

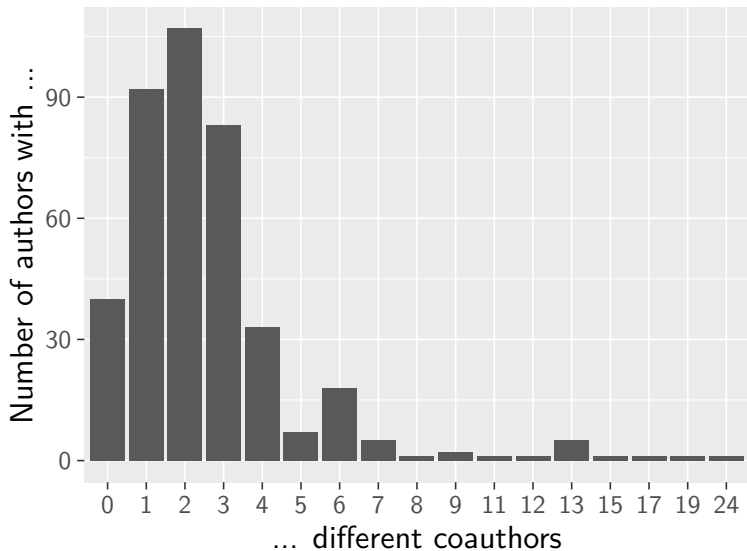


imprecise probability

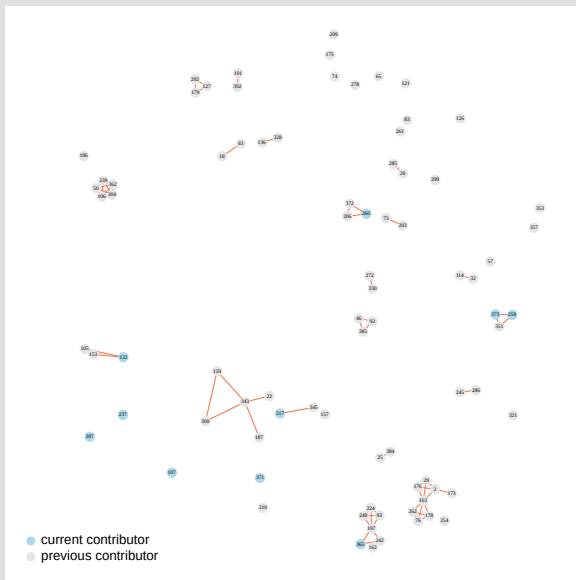
Authors



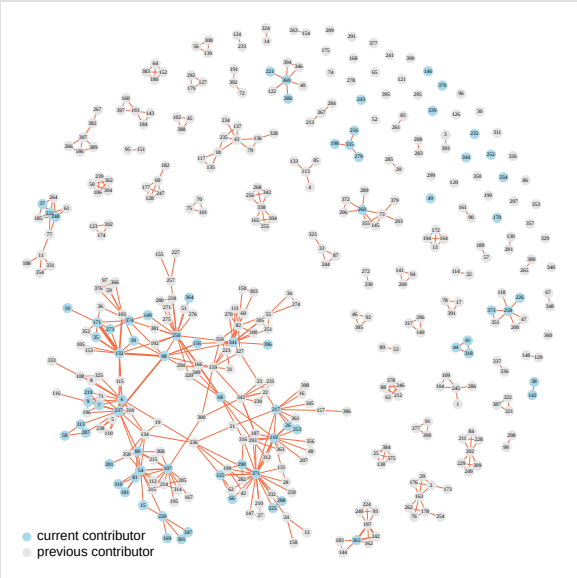
Collaboration



Collaboration Network: ISIPTA '99



Collaboration Network: ISIPTA 2019



Conclusion and Outlook

- ▶ Descriptive analysis of 11 ISIPTA proceedings
- ▶ Visualization of collaboration

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Visit the poster for more information