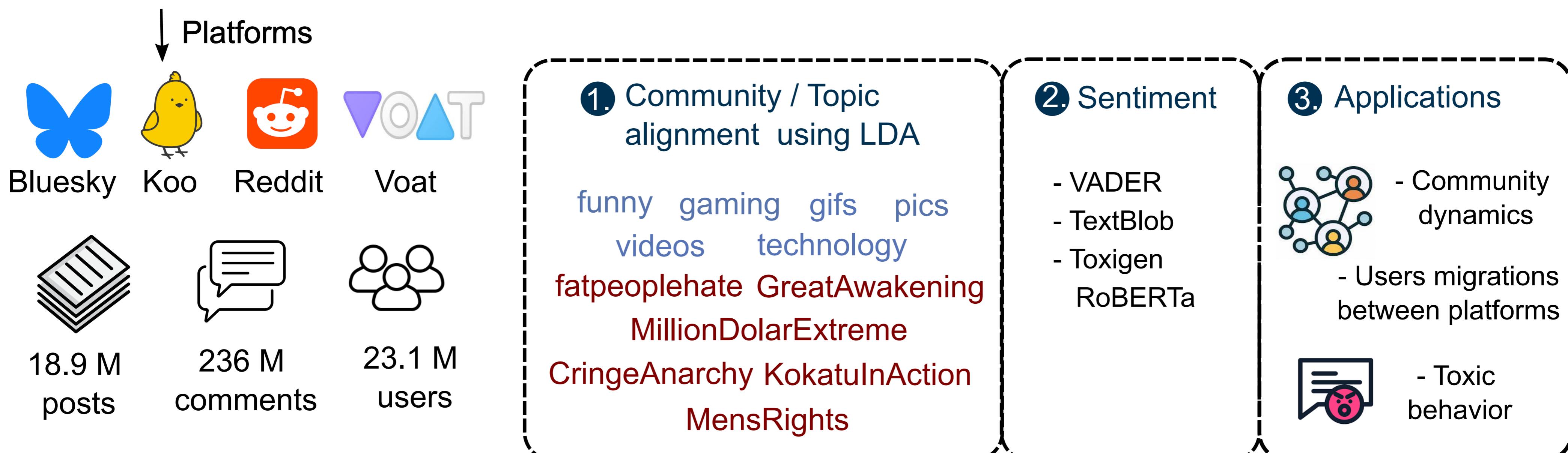


MADOC: Multi-Platform Aggregated Dataset of Online Communities



1. Topic alignment

- LDA topic modeling on 12 Reddit-Voat community pairs (6 general, 6 controversial)
- Balanced sampling strategy: 20,000 documents per topic model
- Top 20 keywords per topic, filtered to retain least frequent third of English words
- Cross-platform filtering: basic (1 keyword) and strict (≥ 2 keywords) criteria
- Results: 910K Bluesky, 3.1M Koo posts (basic); 114K Bluesky, 250K Koo posts (strict)

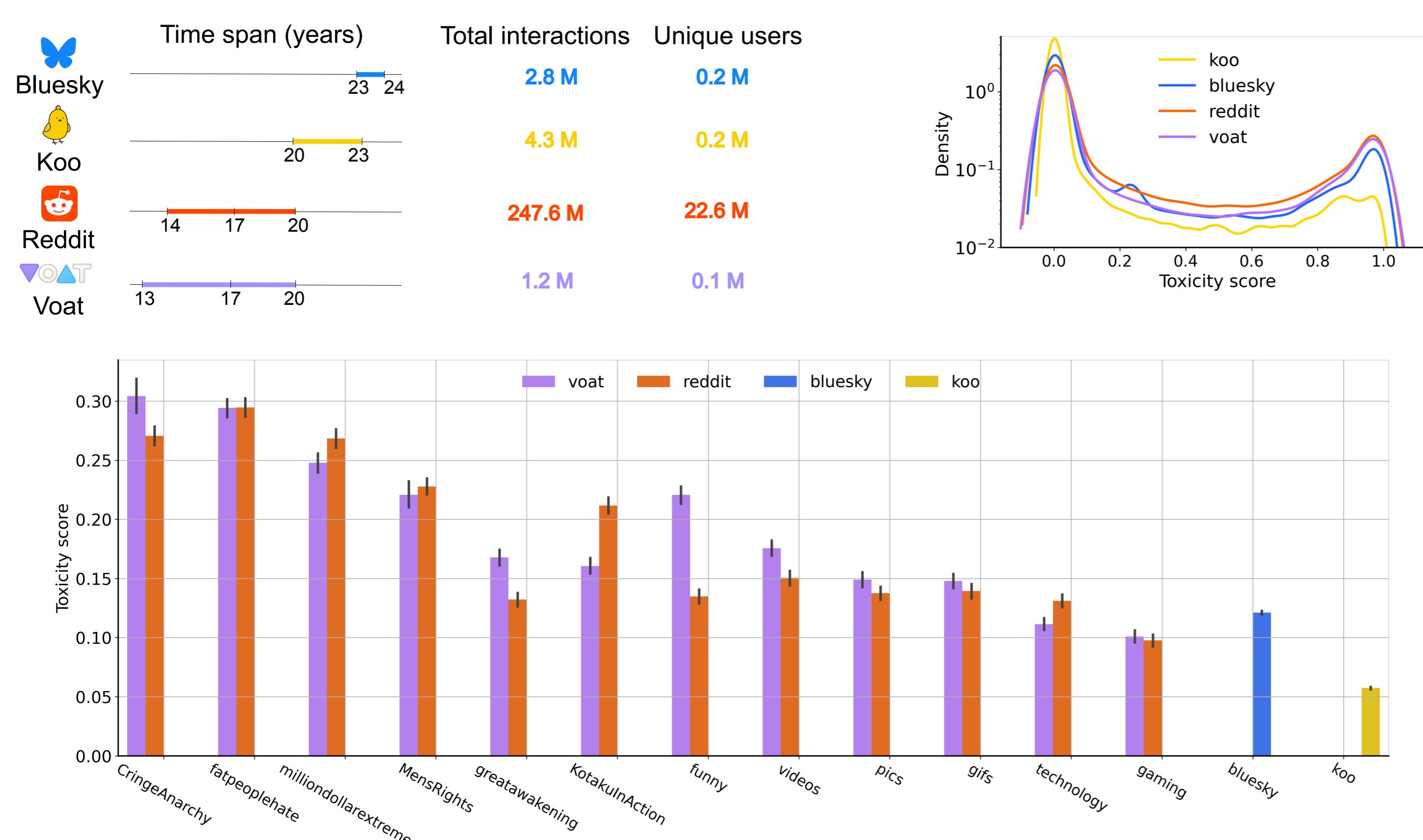
2. Sentiment

- VADER: Social media-aware sentiment (-1 to 1)
- TextBlob: Polarity (-1 to 1) and subjectivity (0 to 1) scores
- ToxiGen RoBERTa: Implicit toxicity detection (0 to 1)
- Bluesky most positive (0.088), Voat least positive (0.011) mean sentiment

3. Applications

- Cross-platform user behavior analysis and engagement patterns
- Community dynamics during content moderation and policy changes
- Content moderation effectiveness across different platforms
- Toxic behavior propagation and user migration patterns
- Comparative discourse analysis across platform architectures

Dataset statistics



References

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Acknowledgment

This research was supported by the Science Fund of the Republic of Serbia, 7416, Topology-derived methods for the analysis of collective trust dynamics - CTRUST.

Data processing was performed on the PARADOX-IV supercomputing facility at the Scientific Computing Laboratory, National Center of Excellence for the Study of Complex Systems, Institute of Physics Belgrade.