



Abhilasha A. Kumar, Ph.D.

✉ abhilasha.kumar@wustl.edu  [@abhilashaakumar](https://twitter.com/abhilashaakumar)




 <http://abhilashak.weebly.com/>

 <https://www.linkedin.com/in/abhilasha-kumar/>





Elevator Pitch

I am a cognitive scientist with 6+ years of experience applying statistical and machine learning methods to language/NLP problems. I am skilled at designing creative in-person and online experiments and games, analyzing large-scale user data, and building/deploying language models to improve products and services.






Experience

- 2021 – 2022  **Research Associate**, Indiana University
Research focus: Language models, AI/NLP, semantics
- 2016 – 2021  **Ph.D. Researcher**, Washington University in St. Louis
Designed and conducted 20+ research experiments on semantics, phonology, and language processing; published 10+ high-impact papers; mentored 20+ students on research projects; presented at 15+ top cognitive science conferences
- 2014 – 2016  **Graduate Researcher**, Ashoka University, India
Developed novel Web-based program to automatically analyze text in email communications for autobiographical memory testing

Education

- 2016 – 2021  **Ph.D.**, Washington University in St. Louis
Psychological and Brain Sciences
- 2016 – 2018  **M.A.**, Washington University in St. Louis
Psychological and Brain Sciences
- 2014 – 2016  **M.A.**, Ashoka University, India
Liberal Arts (Concentration in Computer Science and Psychology)
- 2009 – 2014  **Integrated M.Tech.**, IIT Delhi, India
Mathematics and Computing

Skills

- Coding  Python, R, \LaTeX , MATLAB, HTML/CSS, JavaScript
- Statistics  Multilevel modeling, t-tests, ANOVAs, longitudinal analysis, principal components analysis (PCA), network analysis
- Research  Individual/group interviews, observation, think-aloud protocols
Survey design/sampling, hypothesis testing, online experiments, game-based designs, response-time/accuracy measurement
- Modeling  Word embedding algorithms, sentiment analysis, foraging/random walk models, vector-space models
- Platforms  Amazon Mechanical Turk, Prolific, Psychopy, JSPsych, Qualtrics, E-Prime, Collector, nodeGame