Yunyan Duan

https://www.linkedin.com/in/yunyan-duan/

WORK EXPERIENCE

Tencent

Data Scientist

EDUCATION

Northwestern University

Ph.D., Linguistics

• Dissertation: Word identification and eve movement control in reading as rational decision making

• Advisor: Dr. Klinton Bicknell

Peking University

Bachelor of Science, Statistics & Psychology (Double major)

ACADEMIC JOURNAL PUBLICATIONS

- 1. Chang, W., Duan, Y., Qian, J., Wu, F., Jiang, X., & Zhou, X. (2020). Gender interference in processing Chinese compound reflexive: Evidence from reading eye-tracking. Language, Cognition and Neuroscience. 1-16.
- 2. Duan, Y., & Bicknell, K. (2019). A rational model of word skipping in reading: Ideal integration of visual and linguistic information. In Proceedings of the 41th Annual Conference of the Cognitive Science Society: 275-281. Winner of best Computational Modeling paper in Perception & Action.
- 3. Duan, Y., & Bicknell, K. (2017). Refixations gather new visual information rationally. In *Proceedings of the 39th* Annual Conference of the Cognitive Science Society: 301-306.
- 4. Yu, H., Duan, Y., & Zhou, X. (2017). Guilt in the eyes: Eye movement and physiological evidence for guilt-induced social avoidance. Journal of Experimental Social Psychology, 71, 128-137.
- 5. *Duan, Y., & *Wu, O. (2016). Learning with auxiliary less-noisy labels. *IEEE Transactions on Neural Networks and* Learning System, 28(7), 1716-1721. (* indicates equal contributions.)
- 6. Luo, Y., Duan, Y., & Zhou, X. (2015). Processing rhythmic pattern during Chinese sentence reading: an eye movement study. Frontiers in Psychology, 6, 1881.
- 7. Wang, L., Duan, Y., Theeuwes, J., & Zhou, X. (2014). Reward breaks through the inhibitory region around attentional focus. Journal of Vision, 14(12):2, 1-7.

SKILLS

Programming language: Python (5+ years), R (5+ years), SQL (2+ years), MATLAB (1+ years),

HTML/CSS/JavaScript (occasionally)

Data science: statistical inference, machine learning, causal inference, experimentation

Linguistics & cognitive science: computational modeling, behavioral data analysis, psycholinguistics, eve-tracking

Computer skills: Git, Linux/Unix, database

Natural language: Mandarin Chinese (native), English (proficient)

Online Learning

Coursera

Certificate: Reinforcement Learning Specialization

• Learned the space of RL algorithms, how to build a RL system for sequential decision making, how to formalize a task as a Reinforcement Learning problem, and how to begin implementing a solution.

Coursera

Certificate: Deep Learning Specialization

• Through 5 courses, developed a profound knowledge of deep learning from its foundations (neural networks) to its advanced techniques and industry applications (convolutional neural networks, recurrent neural networks, etc.).

Stanford Online

Statement of Accomplishment: Mining Massive Datasets

• This course covers "big-data" algorithms, including PageRank, stream algorithms, clustering, social-network graph analysis, large-scale machine learning, recommendation systems, computational advertising, etc.

Evanston, IL, United States 2021

Shenzhen, Guangdong, China

Beijing, China

Jul. 2021 -

2013

https://www.coursera.org/

Nov. 2018

Jul. 2017

https://lagunita.stanford.edu/

https://www.coursera.org/ Mar. 2020