FAN BU

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EDUCATION

Department of Statistical Science, Duke University   *2017 - present*
Ph.D. in Statistics.

School of Mathematical Sciences, Peking University   *2013 - 2017*
B.S.(with honor) in Data Science and Big Data Technology.

RESEARCH INTERESTS

- Machine learning;

- Network analysis;

- Stochastic modelling;

- Sports data analytics.

PUBLICATIONS AND PREPRINTS

Fan Bu, Sonia Xu, Katherine Heller, and Alexander Volfovsky (2019). SMOGS: Social Network Metrics of Game Success. *The 22nd International Conference on Artificial Intelligence and Statistics (AISTATS)*.

Wei Zhang, **Fan Bu**, Derek Owen-Oas, Katherine Heller, and Xiaojin Zhu (2018). Learning Root Source with Marked Multivariate Hawkes Processes. *arXiv:1809.03648*.

INVITED TALKS, PRESENTATIONS, AND TUTORIALS

April 2019 (Planned). Poster presentation at the 22nd International Conference on Artificial Intelligence and Statistics.

March 2019. Spotlight talk at the Duke Machine Learning Day.

August 2018. Instructor of Duke Statistical Science Bootcamp 2018.

June 2018. Poster presentation at 2018 ISBA World Meeting.

December 2017. Poster presentation at Women in Machine Learning Workshop 2017.

SKILLS

- **Programming Languages**: R, Python, MATLAB, Julia, and LaTex
- **Languages**: Mandarin, English, and French (beginner's level)

IN-COURSE AND UNDERGRADUATE RESEARCH

The Evolution of Popularity and Images of Characters in Marvel Cinematic Universe Fanfictions (2018). (Technical report at *arXiv:1805.03774*)

Traffic Speed Nowcasting Based on Urban Road Network and Artificial Neural Network (2017). (B.S. thesis)

Detection of Differential Genetic Networks (2016). (Supported by National Undergraduate Innovation Grant of China)