

Lisa Ling

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Education

- **2014-Present, PhD, Statistics**

Dalhousie University, Department of Mathematics and Statistics
Handling block-wise Missing Data with Model Combination Method
Machine Learning Diagnoses on patients presenting abdominal pain

- **2013-2014, MSc, Statistics**

Dalhousie University, Department of Mathematics and Statistics
The Self-Control Case Series Method: Application to Seizures after Immunization in children with Epilepsy

- **2008-2012, BSc, Applied Mathematics**

Shenzhen University, Department of Mathematics and Statistics

Research Activities

PhD Researcher

- 2013, Dec. The 2nd HKUST International Forum on Probability & Statistics, HKUST, Hong Kong.
- 2014, Aug. International Conference on Financial Engineering, Lanzhou University, China.
- 2015, Jan. SSC 2015 annual meeting, Dalhousie University, Canada.
- 2016, Jan. 5-8, Graphical Models and Network Analysis, HKUST, Hong Kong.
- 2018, Jan. 8-10, The Mathematics of Deep Learning, HKUST, Hong Kong.
- 2018, Dec. 21-23, Complex Data Analysis and its Applications. NENU, China.

Invited speaker

- 2019, Aug. 9-11, ICSA-Canada Chapter 2019 Symposium, Queen's University, Canada
Talk: Handling block-wise Missing Data with Model Combination Method
- 2018, Dec. 21-23, Complex Data Analysis and its Applications. NENU, China.
Talk: Model combination with block-wise missing data

Visiting Scholar

2012-2013, HKUST

Teaching Experience

- **June 2016, Instructor**

Introduction of Probability and Statistics II

- **Sept 2013- Dec 2016, Teaching Assistant**

Data Analysis and Inference, Introduction of Probability and Statistics I & II

Working Experience

July 2016- May 2017, Data Scientist

Shenzhen Puhui Financial Service Co. Ltd

- Building automatic screening system and financial risk models with machine learning algorithms and scorecards.
- According to the company's business demand, complete the statistical analysis of various dimensions for business data.
- Deeply mining user data, design anti-fraud and risk assessment models to control risks.
- Building NLP model for text data to provide decision support for Call Center.
- Collect and document user requirements.
- Operate database management systems to analyze data and perform data mining analysis.
- Lead, co-ordinate and supervise other colleagues in this group.

May 2017- Aug 2018, Head of BI Department

Shenzhen Puhui Financial Service Co. Ltd

- The construction of BI data system. Participate in the design of data warehouse based on MongoDB, build BI decision system to improve BI reports.
- Monitor and visualize various model index through Big data platform.
- Optimize the online model platform based on business needs.
- External data analysis and quality verification. Test data prediction ability, stability and discrimination ability.
- Design and develop standardized automatic tools for modeling and improve efficiency.
- Cooperate with other departments to complete relevant data analysis and support operational decisions.
- Cooperate with IT engineers to test and run online models.
- Conduct research and provide advice to other information systems professionals regarding the collection, availability, security and suitability of data.
- Lead and co-ordinate teams of data administrators in the development and implementation of data policies, standards and models.