YAKUN WANG

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Profile

I am a Master student majoring in Statistics and together with a strong background in Mathematics. My interest mainly lies in Bayesian inference and machine learning. Dedicated and passionate about machine learning, I have undertaken many elective courses to enhance my cognition of various probabilistic models such as PCA, SVM, GP, etc. I am a person who likes to delve into problems and trying to figure out the details. That is the reason why I decided to major in Mathematics in undergraduate as Mathematics explains the world. In addition to my studies, I also participated in math contest and achieved a good result.

Education

University of Southampton   *UK, Southampton*
MSc in Statistics   Distinction (Expected)   Sep. 2021 - Sep. 2022
Average score: 81.6
- Statistical Computing (91, top 1%)
- Machine Learning (86, top 5%)

Liaoning University   *China, Shenyang*
BSc in Mathematics   (Equivalent Upper Second-Class)   Sep. 2017 - Jun. 2021
Average score: 82.0
- Functional Analysis (100, top 1%)
- Stochastic Process (92, top 1%)
- Probability Theory (87, top 5%)

Technical Skills

Programming	R, Python
Professional Softwares	STATA, SPSS
Typesetting	Office, LaTeX
Languages	Chinese(Native), English(Fluent)

Academic Researches

Probabilistic Numerical Method for Fredholm Integral Equation of the First Kind
MSc Project(PDF)   Supervisor: Dr. Jon Cockayne   Jun. 2022 - Sep. 2022
- Investigate RKHS and Gaussian Process
- Propose a generative model for Fredholm Integral Equation of the First Kind
- Discuss about Uncertainty Quantification

Using Principal Component Analysis in Judging Influencing Factors of Shenyang city Housing Price
BSc Project   Mar. 2021 - Jun. 2021
- Learn about high-dimensional statistics
- Investigate Dimensionality Reduction

Awards and Honors

Nov. 2019	**Contest**: Third Prize in "Chinese Mathematics Competitions for College Students"	*Shenyang*
2017, 2019, 2020	**Scholarship**: "Annual Scholarship in Liaoning University "	*City1*

Services

Alumnimax Team, The Department of mathematics   *Liaoning University*
Lecturer   Jun. 2019 - Present
- Provided lectures for students who a had poor understanding on notions learned on the class.
- Operated the online media platform to attract potential math-interested students.

Google Developer Student Clubs   *University of Southampton*
Fellow Student   Oct. 2021 - Present
- Explore Machine Learning with Google TensorFlow Workshops

References

- Dr. Jon Cockayne
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- Prof. Peter Smith
  Ph. D, Professor, at School of Social Science, University of Southampton, Southampton, UK
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