Chi-Kuang Yeh

LinkedIn — Github

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EDUCATION

- **University of Waterloo (UWaterloo)** — Waterloo, Canada
  Ph.D Candidate in Statistics; Supervisor: Gregory Rice & Joel A. Dubin — *Sep. 2018 – Onward*

- **University of Victoria (UVic)** — Victoria, Canada
  M.Sc. in Statistics; Supervisor: Julie Zhou — *Sep 2016 - Jul 2018*

- **University of Victoria (UVic)** — Victoria, Canada
  B.Sc. (Hons.) in Combined Mathematics and Statistics with Computer Science minor — *Sep 2013 - Apr 2016*

SKILLS

- **Language**: Mandarin Chinese (Native), English (Professional proficiency), Japanese (Beginner)
- **Programming**: R, Python, Java, C++, C#, Julia, MySQL, PostgreSQL, MATLAB, Mathematica, JAGs, Winbugs, Stan, LaTeX
- **Statistics**: Statistical Modeling, Design of Experiements, Time Series Analysis, Computational Inference, Bayesian Statistics

RECENT RESEARCH PROJECTS

- **Backtesting real-time probabilistic forecasts with application in NBA games (with G. Rice & J.A. Dubin)**
  Evaluating high-frequency irregularly spaced real-time probabilistic forecasts from different models and performing statistical inference on the comparison.
- **Statistical modeling and data mining on unstructured longitudinal text data (with G. Rice & J.A. Dubin)**
  Building predictive models of the time-varying information extracted from thousands of the serial-correlated unstructured text data within the functional data framework.
- **Bayesian capture-recapture modelling on dependent species with potential tag-loss (with L.L.E Cowen)**
  Estimating parameters of the Jolly-Seber Model on correlated subjects with probabilistic dropouts via Markov Chain Monte Carle.
- **Predictive modeling on image-enhanced lumber products (with S.W.K. Wong)**
  TBA.

PUBLICATIONS

- **Yeh, C.-K., Zhou, J. (2019).** Properties of optimal regression designs under the second-order least squares estimator. *Statistical Papers*, 1-18.

RECENT AWARDS

Ontario Graduate Scholarship	2020
Presidents Graduate Scholarship	2020
Statistics & Actuarial Science Chair's Award	2019, 2020
Mathematics Domestic Doctoral Scholarship	2018, 2019, 2020
Math Domestic Grad Award	2018, 2019, 2020
University of Waterloo Graduate Scholarship	2019

REFERENCE

1. **Gregory Rice** — Assistant Professor — University of Waterloo
grice@uwaterloo.ca, +1-519-888-4567x31541
2. **Joel A. Dubin** — Associate Professor — University of Waterloo
jdubin@uwaterloo.ca, +1-519-888-4567x37318
3. **Julie Zhou** — Professor — University of Victoria
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