Chi-Kuang Yeh

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EDUCATION

- **University of Waterloo** — ON, Canada
  Ph.D Candidate in Statistics; Supervisor: Gregory Rice & Joel A. Dubin — *Sep. 2018 – Onward*
- **University of Victoria** — BC, Canada
  M.Sc. in Statistics; Supervisor: Julie Zhou — *Sep 2016 - Jul 2018*
- **University of Victoria** — BC, 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 (Elementary)
- **Programming**: R, Python, Java, C, C++, Julia, MySQL, PostgreSQL, MATLAB, Mathematica, JAGs, Winbugs, Stan
- **Statistics**: Statistical Modeling, Design of Experiments, Time Series Analysis, Bayesian Statistics

CURRENT WORKING PROJECTS

- **Dynamic autocorrelation in functional time series (with G. Rice & J.A. Dubin)**
- **Statistical modeling and data mining on unstructured longitudinal text data (with G. Rice & J.A. Dubin)**
- **Bayesian capture-recapture modelling on dependent species with potential tag-loss (with L.L.E Cowen)**
- **Predictive modeling on image-enhanced lumber products (with S.WK. Wong)**

PUBLICATIONS

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

MANUSCRIPTS

- **Yeh, C.-K, Rice, G. & Dubin, J.A. (2020+).** Evaluating real-time probabilistic forecasts with application to National Basketball Association outcome prediction. *Ready to submit.*

SOFTWARES

- **evalRTPF.** An R package for evaluating real-time probabilistic forecasts. Will be available on Github
- **dynAutocorr.** An R package for calculating the dynamic autocorrelation in functional time series. Currently in preparation.

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
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2. **Joel A. Dubin** — Associate Professor — University of Waterloo
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3. **Julie Zhou** — Professor — University of Victoria
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