QINGLONG TIAN

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EDUCATION

Iowa State University (Expected) *May 2021*
Ph.D. in Statistics
Advisors: Dr. William Q. Meeker and Dr. Daniel J. Nordman

Iowa State University *May 2019*
MSc. in Statistics
Advisor: Dr. William Q. Meeker
Overall GPA: 3.96/4.00

Renmin University of China *June 2016*
BSc. in Statistics
Overall GPA: 3.80/4.00

EXPERIENCE

The Agriculture & Engineering Consulting Group, ISU May 2018 - Present
Statistical Consultant *Ames, IA*

- Provide guidance for graduate students, staff, and faculty members from College of Engineering and College of Agriculture on statistical analysis, especially on experimental design.
- Design experiments for the clients before implementations.
- Help the clients to choose appropriate statistical models for their experimental data.
- Write R/SAS scripts for the clients to do statistical analysis.
- Examine the manuscripts for clients to make sure the writing is statistically sound.

Department of Statistics, ISU Oct 2016 - May 2018
Graduate Teaching Assistant *Ames, IA*

- STAT480 Statistical Computing: help students debugging R code in class and create exam and project problems.
- STAT500 Statistical Methods: help students with the lab projects using SAS.

National Bureau of Statistics of China Jan 2015 - Feb 2015
Intern *Beijing, China*

- Conduct quantitative analysis on data regarding national food security.
- Draft reports on the topic of national food security.

TECHNICAL STRENGTHS

Proficient with R, Rcpp, C, Python.
Knowledgeable in SAS, Linux Shell, Matlab, RShiny, Tensorflow.

REFEREED PAPER

Tian, Q., Liu, S., Meeker, W.Q. (2019), "*Using Degradation Models to Assess Pipeline Life*", Applied Stochastic Models in Business and Industry.

SUBMITTED PAPERS

Tian, Q., Meng, F., Nordman, D.J., Meeker, W.Q., "*Predict Number of Future Events*", submitted to *Journal of American Statistical Association*, in revision.

Lewis-Beck, C., **Tian Q.**, Meeker, W.Q., "*Prediction of Future Failures for Heterogeneous Reliability Field Data*", submitted to *Technometrics*, under review.

WORKING PAPERS

Tian, Q., Nordman, D.J., Meeker, W.Q., "*Methods to Compute Prediction Intervals: A Review and New Results*".

Tian, Q., Nordman, D.J., Meeker, W.Q., "*A General Prediction Principle Using Likelihood Ratio Statistics*".

Tian, Q., Lewis-Beck, C., Niemi, J.B., Meeker, W.Q., "*Setting Prior Distributions in Reliability Applications*".

TALKS & POSTERS

Talk: "*Predict Number of Future Events*", Joint Statistical Meetings, Aug, 2020

Poster: "*Automated Fraud Detection Model for Self-Scanning Systems*" **(Data Mining Cup 1st Place Solution)**, Retail Intelligence Summit by Prudsys, Berlin, Germany, Jul. 2019.

SELECTED HONORS & AWARDS

First Place Winner of 2019 Data Mining Cup Prudsys AG
1/149 teams from 114 universities in 28 countries

SERVICE TO PROFESSION

2020: Reviewer for *Reliability Engineering and System Safety.*

2019: Reviewer for *Journal of American Statistical Association.*