

# Qinglong Tian

Curriculum Vitae

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## Research Interests

Prediction, Reliability, Resampling Methods, Bayesian Statistics, Missing Data, Semi-parametric Model, Transfer Learning

## Education

- 2016 BEC in Statistics, Renmin University of China
- 2018 MSc in Statistics, Iowa State University  
Advisor: William Q. Meeker
- 2021 PhD in Statistics, Iowa State University  
Dissertation Advisors: William Q. Meeker, Daniel J. Nordman

## Professional Appointments

Research Associate, University of Wisconsin-Madison, Department of Biostatistics & Medical Informatics, 2021-present

## Research Experiences

Statistical Consultant for the College of Engineering & Agricultural Experimental Station, Iowa State University, 2018-2020

Biostatistics Intern, Boehringer Ingelheim, 2020-2021

## Publications

### REFEREED JOURNAL ARTICLES

- [1] **Tian, Q.**, Liu, S., Meeker, W. Q. (2019), "Using Degradation Models to Assess Pipeline Life," *Applied Stochastic Models in Business and Industry* 35: 1411–1430.
- [2] **Tian, Q.**, Meng, F., Nordman, D. J., Meeker, W. Q. (2021+), "Predicting the Number of Future Events," *Journal of the American Statistical Association*, in press.

- [3] Lewis-Beck, C., **Tian, Q.**, Meeker, W. Q. (2021+), “Prediction of Future Failures for Heterogeneous Reliability Field Data,” *Technometrics*, in press.
- [4] **Tian, Q.**, Nordman, D. J., Meeker, W. Q. (2021+), “Methods to Compute Prediction Intervals: A Review and New Results,” *Statistical Science*, accepted.
- [5] **Tian, Q.**, Nordman, D. J., Meeker, W. Q. (2021+), “Constructing Prediction Intervals Using Likelihood Ratio,” *INFORMS Journal on Data Science*, accepted.

#### MANUSCRIPTS IN PREPARATION

- [1] **Tian, Q.**, Zhao, J., Zeng, D., “Efficient Estimation Under an Arbitrary Nonignorable Missingness Mechanism.”
- [2] Meeker, W.Q., **Tian, Q.**, Lewis-Beck, C., Niemi J., “Specifying Prior Distributions in Reliability Applications.”

### Awards and Honors

- 2013 Second Class Scholarship for Academic Excellence, Renmin University of China
- 2014 First Class Scholarship for Academic Excellence, Renmin University of China
- 2015 Second Class Scholarship for Academic Excellence, Renmin University of China
- 2019 First Place Winner of 2019 Data Mining Cup ([Link](#)), Prudsys AG
- 2021 Research Excellence Award, Iowa State University

### Conference Activities

- 2019 Invited presentation, “Automated Fraud Detection Model for Self-Scanning Systems”, Retail Intelligence Summit, July 3, Berlin, Germany
- 2020 Talk in contributed paper session, JSM 2020, Aug 1-6, Online  
Talk in invited paper session, ISBIS KOCHI 2020, Dec 28-30, Online
- 2021 Talk in invited paper session, JSM 2021, Aug 8-12, Online  
Talk in invited paper session, ICSA 2021 Applied Statistics Symposium, Sep 12-13, Online

### Teaching Experiences

#### IOWA STATE UNIVERSITY

##### Teaching Assistant

- STAT104: Introduction to Statistics (16F)
- STAT305: Engineering Statistics (16F, 18F)
- STAT480: Introduction to Statistical Computing (17S, 18S)
- STAT500: Statistical Methods I (17F)

## Service to Profession

Reviewer for *Journal of the American Statistical Association*, *Reliability Engineering and System Safety*, *Stat*, *Technometrics*.

## Departmental Service

Treasurer, Iowa STAT-ers (2018-2019), Iowa State University

## Nonacademic Experiences

Intern, National Bureau of Statistics of China, 2015

## References

### **William Q. Meeker**

Distinguished Professor

Iowa State University

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### **Daniel J. Nordman**

Professor

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### **Huaiqing Wu**

Associate Professor

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