

# QINGLONG TIAN

3207 Snedecor Hall, 2438 Osborn Drive, Ames, IA  
515-421-9968 ◇ [www.qltian.cyou](http://www.qltian.cyou) ◇ [qltian@iastate.edu](mailto:qltian@iastate.edu)

## 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

---

**Boehringer Ingelheim** Aug 2020 - May 2021  
*Intern* *Ames, IA*

- This one-year internship will start on August 15th.

**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

---

<b>Proficient with</b>	R, Rcpp, C, Python.
<b>Knowledgeable in</b>	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., “*Predicting the 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*, in revision.

## 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:** “*Predicting the 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**  
1/149 teams from 114 universities in 28 countries

Prudsys AG

## SERVICE TO PROFESSION

---

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

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