

# Wenjie Wang

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## Education

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**University of Connecticut (UConn)** Storrs, CT  
Ph.D. in Statistics *(Expected) August 2019*  
Advisors: Dr. Kun Chen & Dr. Jun Yan

**Tongji University** Shanghai, China  
B.S. in Statistics *September 2010 – July 2014*

## Positions

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**Research Assistant** *January 2016 – Present*  
UConn Health Center for Public Health and Health Policy Farmington, CT

- Working on suicide prevention project by survival analysis and statistical learning
- Working on usage of imaging procedures for dental treatment over time
- Working on interactive data visualization for HealthQualityCT scorecard project using R Shiny
- Worked on comorbidity measures and thirty days' readmission rate using hospital admission data

**Analyst Intern** *June, 2017 – August 2017*  
**Graduate Assistant** *August, 2017 – January, 2018*  
After, Inc Norwalk, CT

- Worked on statistical modeling for warranty analytics
- Worked on interactive data visualization with R Shiny

**Graduate Assistant** *January 2017 – May 2017*  
UConn Data Science Lab Storrs, CT

- Set up project templates in R Markdown with HTML widgets and Shiny Apps
- Worked on sample projects

**Teaching Assistant** *August 2015 – January 2016*  
Department of Statistics, UConn Storrs, CT

- Course: Elementary Concepts of Statistics
- Led weekly discussion sessions to reinforce material covered in the lectures

**Analyst Intern** *February, 2014 – July, 2014*  
Department of Measurement Science (MSci), A.C. Nielsen Shanghai, China

- Responsibilities include SAS programming, updating the latest City Master of mainland China, assisting Sample Design and Universe Estimation, etc.

## Honors & Awards

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IBM T.J. Watson **Student Paper Award** in New England Statistics Symposium (NESS) *2017*  
Department **Service Award**, Department of Statistics, UConn *2017*  
Pre-Doctoral Dissertation **Fellowship**, Department of Statistics, UConn *2015*  
**Outstanding Graduate Awards** of Tongji University *2014*  
Academic **Scholarship** of Tongji University *2012–2013*  
Social Activity **Scholarship** of Tongji University *2012–2013*  
Shanghai Rong-Guang **Scholarship** *2013*  
Meritorious Winner in **Mathematical Contest in Modeling** (MCM) *2013*  
**National Undergraduate Innovation Program** Certificate *2012*  
Excellent **Student Cadre** of Tongji University *2012*

## Publications

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**Wang, W.**, Aseltine, R., Chen, K., and Yan, J. (2018+). Integrative Survival Analysis with Uncertain Event Times in Application to a Suicide Risk Study. *under revision*.

Caplan, D. J., Li, Y., **Wang, W.**, Kang, S., Marchini, L., Cowen, H. J., and Yan, J. (2018). Dental Restoration Longevity among Geriatric and Special Needs Patients. *JDR Clinical & Translational Research*, DOI: 10.1177/2380084418799083.

**Wang, W.**, Chen, M. H., Chiou, S. H., Lai, H. C., Wang, X., Yan, J., and Zhang, Z. (2016). Onset of persistent pseudomonas aeruginosa infection in children with cystic fibrosis with interval censored data. *BMC Medical Research Methodology*, 16(1), 122.

## Software

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**Wang, W.**, Yan, J. (2018). splines2: Regression Spline Functions and Classes. R package version 0.2.8.

**Wang, W.**, Fu, H. (2017). reda: Recurrent Event Data Analysis. R package version 0.4.1.

Wang, X., Chen, M.-H., **Wang, W.**, and Yan, J. (2017). dynsurv: Dynamic Models for Survival Data. R package version 0.3-6.

## Talks

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Integrative Survival Analysis with Uncertain Event Times in Application to a Suicide Risk Study. International Conference on Advances in Interdisciplinary Statistics and Combinatorics (AISC), The University of North Carolina at Greensboro, Greensboro, NC. October 2018.

## Workshops

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Introduction to R programming (Part I). Society of Industrial and Applied Mathematics (SIAM) Graduate Chapter, University of Connecticut, Storrs, CT. January 2018.

Introduction to R programming (Part II). Society of Industrial and Applied Mathematics (SIAM) Graduate Chapter, University of Connecticut, Storrs, CT. April 2018.

## Posters

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Extended Cox Model by ECM Algorithm for Uncertain Survival Records Due to Imperfect Data Integration. 31st New England Statistics Symposium, University of Connecticut, Storrs, CT. April 2017.

Onset of persistent pseudomonas aeruginosa infection in children with cystic fibrosis with interval censored data. 29th New England Statistics Symposium, University of Connecticut, Storrs, CT. April 2015.

## Professional Associations

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American Statistical Association, New England Statistical Society

## Service

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**IT Volunteer** of New England Statistical Society (NESS) *April 2017 – Present*

- Helps the development and maintenance of the website of NESS at <https://nestat.org>
- Helped the development of the symposium website of NESS 2018

**President** of Student Union *July 2012 – June 2013*  
**School of Mathematical Sciences** Tongji University

## Computer Skills

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### *Programming:*

Fluent in R

Working knowledge of C/C++, Python, Julia, JavaScript, SAS, MATLAB, and SQL

Good familiarity with Linux environment, Emacs, and Git

**Application:** L<sup>A</sup>T<sub>E</sub>X, Hugo, Jekyll