

Yu-Jen Cheng

CONTACT INFORMATION Associate Professor
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RESEARCH INTERESTS Survival analysis, Biased samplings, Causal inference, Measurement error, Nonparametric statistics, Bayesian statistics, Longitudinal data analysis

EDUCATION

Ph.D., Department of Biostatistics, Johns Hopkins University, **May 2009**

PROFESSIONAL EXPERIENCE

Associate Professor, Institute of Statistics, National Tsing-Hua University, **August 2014 to Present**

Assistant Professor, Institute of Statistics, National Tsing-Hua University, **August 2009 to July 2014**

AWARDS

SIE Graduate Student Award, ASA Statistics in Epidemiology Section, 2009

Distinguished Student Paper Award, International Biometric Society's Eastern North American Region (ENAR), 2009

ACADEMIC ACTIVITIES

Journal Referee:

Biometrics
Biometrika
Computational Statistics & Data Analysis
Journal of the American Statistical Association
Journal of the Royal Statistical Society: Series B
Lifetime Data Analysis
Statistical Methodology
Statistica Sinica

PUBLICATIONS

1. **Yu-Jen Cheng*** and Mei-Cheng Wang. Causal estimation using the semiparametric transformation models under prevalent sampling. *Biometrics*, To appear.
2. **Yu-Jen Cheng*** and Chiung-Yu Huang. Combined estimating equation approaches for semiparametric transformation models with length-biased survival data. *Biometrics*, 608-618, 2014.
3. **Yu-Jen Cheng*** and Mei-Cheng Wang. Estimating propensity scores and causal survival functions using prevalent survival data. *Biometrics*, 707-716, 2012.
4. G. Nestadt*, C. Di, J. F. Samuels, **Yu-Jen Cheng**, O. J. Bienvenu, I. M. Reti, P. Costa, W. W. Eaton and K. Bandeen-Roche. Concordance between personality disorder assessment methods. *Psychological Medicine*, 657-667, 2012.

5. Irving M. Reti*, Jerry Z. Xu, Jason Yanofski, Jodi McKibben, Magdalena Uhart, **Yu-Jen Cheng**, Peter Zandi, Oscar J. Bienvenu, Jack Samuels, Virginia Willour, Laura Kasch-Semenza, Paul Costa, Karen Bandeen-Roche, William W. Eaton, Gerald Nestadt. Monoamine oxidase A regulates antisocial personality in whites with no history of physical abuse. *Comprehensive Psychiatry*, 52:188-194, 2011.
6. Veronica Rolim S Fernandes, Susan Cheng, **Yu-Jen Cheng**, Boaz Rosen, Sachin Agarwal, Robyn L McClelland, David A Bluemke, Joao A C Lima*. Racial and ethnic differences in subclinical myocardial function: the Multi-Ethnic Study of Atherosclerosis. *Heart*, 97:405-410, 2011.
7. **Yu-Jen Cheng*** and Ciprian M. Crainiceanu. Cox models with smooth functional effect of covariates measured with errors. *Journal of the American Statistical Association*, 104, 1144-1154, 2009.
8. Andrea Carlson Gielen*, Lara B McKenzie, Eileen M McDonald, Wendy C Shields, Mei-Cheng Wang, **Yu-Jen Cheng**, Nancy L Weaver, Allen R Walker. Using a computer kiosk to promote child safety: results of a randomized, controlled trial in an urban pediatric emergency department. *Pediatrics*, 2007 Aug; 120 (2):330-9.

ABSTRACT

1. Veronica R Fernandes, Sachin Agarwal, **Yu-Jen Cheng**, Ciprian M Crainiceanu, Robyn McClelland, David A Bluemke, Joao A Lima, *Race/Ethnic Relationship with Regional Myocardial Function in an Adult Asymptomatic Population for Cardiovascular Disease: A Tagged MRI Study of the MESA Cohort*, *Circulation*. 2006; 114:II.538-II.539
2. Veronica R Fernandes, Boaz D Rosen, Susan Cheng, **Yu-Jen Cheng**, Hossein Bahrami, Robyn L McClelland, Antoinette Gomes, David A Bluemke, Joao A Lima, *Diabetes Mellitus as a Predictor of Decreased Regional Myocardial Function in an Adult Population without Clinical Cardiovascular Disease: The Tagged MRI Follow-up Study of the Multi-Ethnic Study of Atherosclerosis (MESA)*, *Circulation*. 2007; 116:II.826

GRADUATE
STUDENT
SUPERVISION

Current Ph.D. students:

Hsiang Yu
Chang-Yu Tsai
Chien-Tung Lin

Current master students:

Sheng-Tao Yang
Pang-Chun Wen

COMPUTING
SKILLS

Splsh/R, BUGS, Stata, SAS, Mplus, C, Matlab, Windows, Unix

LANGUAGES

Chinese and English

PROFESSIONAL
ACTIVITIES

- American Statistical Association (ASA)