Ming-Yueh Huang 黃名鉞

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	Nankang, Taipei 11529, Taiwan	**Phone (Taiwan)**	+886 928 091 915
Date of Birth	28th July 1986	**Email**	myh0728@uw.edu
Nationality	Taiwan		

Research Interests

Broadly speaking, my research focuses on developing nonparametric and semiparametric methods to different statistical problems and data structures. Currently, my work focuses on dimension reduction and variable screening through generally semiparametric approach. Specifically, I developed methodologies for survival analysis, case-control study, ROC analysis, causal inference, and functional data analysis to generalize and improve classical parametric and nonparametric methodologies.

Education

2010 – 2014 Doctor of Philosophy, Mathematics,
National Taiwan University, Taiwan

Advisor: Professor Chin-Tsang Chiang

2008 – 2010 Master of Science, Mathematics,
National Taiwan University, Taiwan

Advisor: Professor Chin-Tsang Chiang

2004 – 2008 Bachelor of Science, Mathematics,
National Taiwan University, Taiwan

Positions

Aug 2017 – Institute of Statistical Science, Academia Sinica, Taiwan
Present *Assistant research fellow*

Aug 2015 – Department of Biostatistics, University of Washington, Seattle, Washington, U.S.A.
Jul 2017 *Post-doctoral fellow*

Supervisor: Professor Kwun Chuen Gary Chan

Dec 2014 – R.O.C. Army, Taiwan
Jul 2015 *Second Lieutenant Budget and Finance Officer*

Compulsory Military Service

Publications

1. **Ming-Yueh Huang** and Kwun Chuen Gary Chan. (2018+) Sufficient dimension reduction with simultaneous estimation of effective dimensions for censored survival data. *Statistica Sinica*, to appear.

2. **Ming-Yueh Huang** and Kwun Chuen Gary Chan. (2018+) Joint sufficient dimension reduction for estimating continuous treatment effect functions. *Journal of Multivariate Analysis*, to appear.

3. Chin-Tsang Chiang, Shao-Hsuan Wang, and **Ming-Yueh Huang**. (2018) Versatile Estimation in Censored Single-Index Hazards Regression. *Annals of the Institute of Statistical Mathematics*. **70**, 523–552.

4. **Ming-Yueh Huang** and Kwun Chuen Gary Chan. (2017) Joint Sufficient Dimension Reduction and Estimation of Conditional and Average Treatment Effects. *Biometrika*. **104**, 583–596.

5. **Ming-Yueh Huang** and Chin-Tsang Chiang. (2017) Estimation and Inference Procedures for Semiparametric Distribution Models with Varying Linear-Index. *Scandinavian Journal of Statistics*. **44**, 396–424.

6. **Ming-Yueh Huang** and Chin-Tsang Chiang. (2017) An Effective Semiparametric Estimation Approach for the Sufficient Dimension Reduction Model. *Journal of American Statistical Association*. **112**, 1296–1310.

7. Chin-Tsang Chiang, **Ming-Yueh Huang**, and Shao-Hsuan Wang. (2016) Bias and Variance Reduction in Nonparametric Estimation of Time-Dependent Accuracy Measures. *Statistics in Medicine*. **35**, 5247–5266.

8. Chin-Tsang Chiang, **Ming-Yueh Huang**, and Ren-Hong Bai. (2013) Binary Response Models with M-phase Case-Control Data. *Journal of Multivariate Analysis*. **116**, 332–348.

9. Chin-Tsang Chiang and **Ming-Yueh Huang**. (2012) New Estimation and Inference Procedures for a Single-Index Conditional Distribution Model. *Journal of Multivariate Analysis*. **111**, 271–285.

Preprints

1. **Ming-Yueh Huang** and Kwun Chuen Gary Chan. Adaptive reduction of curse of dimensionality in nonparametric instrumental variable estimation.

2. **Ming-Yueh Huang** and Kwun Chuen Gary Chan. Multivariate baseline proportional hazards model with dimension reduction.

Articles in Progress

1. **Ming-Yueh Huang** and Kwun Chuen Gary Chan. Gradient-based approach to sufficient dimension reduction for functional and longitudinal data.

2. **Ming-Yueh Huang**, Kwun Chuen Gary Chan, and Yen-Chi Chen. Nonparametric inference in survival analysis.

Teaching Experience

- **Teaching assistant, Department of Mathematics, National Taiwan University, Taiwan**

Calculus	Sep 2007 – Jun 2011
Introduction to probability	Sep 2007 – Jan 2008, Sep 2008 – Jan 2009
Statistics	Feb 2009 – Jun 2009, Feb 2013 – Jun 2013
Advanced statistical inference	Sep 2009 – Jun 2010
Honors advanced calculus	Sep 2011 – Jun 2012
Regression analysis	Sep 2012 – Jan 2013
Introduction to statistics	Sep 2013 – Jan 2014
Multivariate statistical analysis	Feb 2014 – Jun 2014

Honors, Awards, Scholarships

- Wen-Chen Chen Statistics Scholarship Fund, 2014.

- Ching-Zong Wei Statistics Ph. D. Dissertation Award , 2014.

- Ph. D. Thesis Award of the Mathematical Society of the Republic of China, 2014.

- Ph. D. Thesis Award of College of Science, 2014.

- Excellent TA awards, Center for Teaching and Learning Development,
National Taiwan University, 2008 and 2009.

Service

- **Journal review**
Statistica Sinica, Biostatistics.

Conferences and Symposiums

May 2018	Invited talk, Cross-Strait Probability and Statistics Conference, Taiwan *Dimension Reduction in Multivariate Baseline Proportional Hazards Model*
Dec 2017	Invited talk, International Statistical Symposium, Taiwan *Sufficient Dimension Reduction with Simultaneous Estimation of Effective Dimensions for Censored Survival Data*
Jun 2017	Invited talk, International Conference on Econometrics and Statistics, Hong Kong *A Novel Method of Sufficient Dimension Reduction for Censored Survival Data*
May 2017	Invited talk, Conference on Lifetime Data Science, Storrs, U.S.A. *Sufficient Dimension Reduction for Censored Survival Data*
Dec 2014	Invited talk, Annual Meeting of the Taiwanese Mathematical Society, Taiwan *An Effective Semiparametric Approach for Sufficient Dimension Reduction*
Dec 2013	Invited talk, International Chinese Statistical Association Conference, Hong Kong *Versatile Estimation in Censored Single-Index Hazards Regression*
Aug 2013	Contributed talk, Joint Statistical Meeting, Montreal, Canada *Semiparametric Models with Varying Linear-Index for Conditional Distribution Function*
Jun 2011	Contributed talk, Southern Taiwan Statistical Conference, Taiwan *Conditional Distribution Models with Varying Index Coefficients*
Jul 2010	Contributed talk, Southern Taiwan Statistical Conference, Taiwan *Pseudo Least Integrated Squares Estimation for Single-Index Conditional Distribution Models*

Referees

Name	Professor Chin-Tsang Chiang	**Name**	Professor Kwun Chuen Gary Chan
Affiliation	Department of Mathematics, National Taiwan University	**Affiliation**	Department of Biostatistics, University of Washington
Contact	chiangct@ntu.edu.tw	**Contact**	kcgchan@u.washington.edu
Name	Professor Jeng-Min Chiou	**Name**	Professor Patrick Heagerty
Affiliation	Institute of Statistical Science, Academia Sinica	**Affiliation**	Department of Biostatistics, University of Washington
Contact	jmchiou@stat.sinica.edu.tw	**Contact**	heagerty@u.washington.edu