

JUN LI

CONTACT INFORMATION	3219 Snedecor Hall Department of Statistics Iowa State University Ames, Iowa 50011	Phone: 515-294-8927 Email: junli@iastate.edu website: http:// www.public.iastate.edu/~junli
RESEARCH INTERESTS	High dimensional data analysis, inference and its application in genetic studies; nonparametric smoothing method.	
EDUCATION	Ph. D. candidate in Statistics Iowa State University, Ames, IA	2009- Present
	Ph. D. in Physics Iowa State University, Ames, IA	2003- 2009
	B. S. in Mathematics Shandong University, China	1995- 1999
PUBLICATIONS	Jun Li and Song Xi Chen(2011). Two sample tests for high dimensional covariance matrices, published in <i>Annals of Statistics</i> .	
TEACHING EXPERIENCE	Department of Statistics, Iowa State University, Ames Iowa Course Instructor of <i>Introduction to Business Statistics I</i> Aug 2011 – May 2012	
	<ul style="list-style-type: none">➤ Supervised 80 minute class including 70 undergraduate business students and introduced fundamental statistical concepts and basic skills in statistical computation.➤ Developed curriculum and measured student learning outcomes and implemented a variety of classroom technologies to help student learning new information.	
	Lab Instructor of <i>Introduction to Business Statistics II</i> Jan 2011 – May 2011	
	<ul style="list-style-type: none">➤ Conducted lab classes and answered questions regarding the lab and course material.➤ Instructed the assigned projects in coordination with the lecture instructor.	

PROFESSIONAL EXPERIENCE Contractor of Census Bureau, Washington D.C. Sept 2010- Sept 2011

- Developed statistical optimization algorithm to select the relevant variables from the enormous dataset with more than 700,000 records.
- Built fast and efficient code by combining R language with other programming languages to handle heavy-duty computational statistics.

PRESENTATIONS Two Sample Tests for High Dimensional Covariance Matrices, Department of Statistics, Iowa State University, Oct 2011

Two Sample Tests for High Dimensional Covariance Matrices, WNAR 2011, San Luis Obispo, California

A Test for the Equality of Two Covariance Matrices When the Dimension is Much Larger than Two Sample Sizes, JSM 2010, Vancouver, Canada

RESEARCH EXPERIENCE Department of Statistics, Iowa State University, Ames Iowa
Research Assistant Jan 2010 - Present

- Analyzed large biological data sets with more than 1000 variables, tested the equality of gene correlations subject to different treatments and under different disease progression, searched biological gene sets which are significantly different under different types of leukemia.
- Developed nonparametric smoothing method to select variables for census estimations.

Department of Physics and Astronomy, Iowa State University, Ames Iowa
Research Assistant May 2005 – Aug 2009

- Analyzed nucleon-nucleon collision data, built theoretical model to predict quark evolution function in nuclear environment and compared simulated result from theoretical model with experimental data.

COMPUTER SKILLS

Statistical Applications: R, JMP, SAS
Programming Languages: Fortran, C++

MEMBERSHIP American Statistical Association
Institute of Mathematical Statistics