Conference on Statistical Learning and Data Science

• Schedule •

June 6-8, 2016
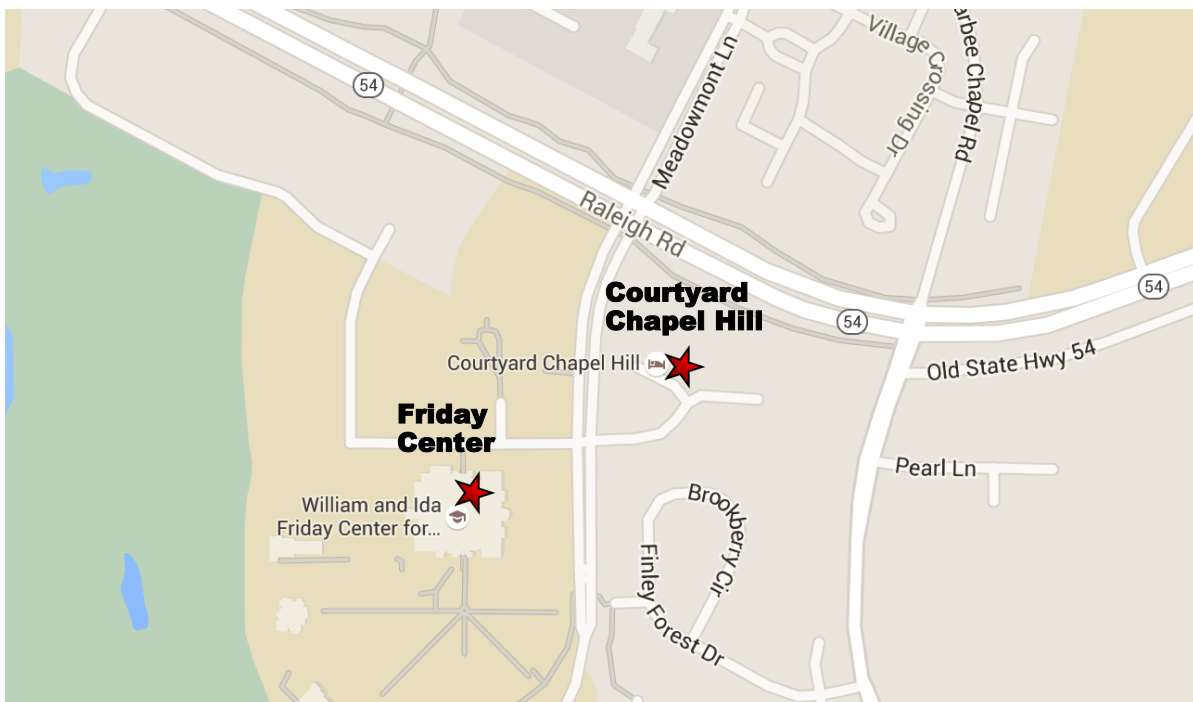## Chapel Hill, NC

CONTENTS

MAP

**THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL**

Sponsors

- The American Statistical Association Section on Statistical Learning and Data Science

- Institute for Operations Research and the Management Sciences (INFORMS) Data Mining Section

- Institute for Operations Research and the Management Sciences (INFORMS) Artificial Intelligence Section

- Statistical and Applied Mathematical Sciences Institute (SAMSI)

- National Science Foundation

- Google Inc.

- RStudio

- SAS Institute Inc.

- UCB Biosciences Inc.

- Department of Statistics & Operations Research, Department of Biostatistics at the University of North Carolina at Chapel Hill

Program Chair

Yufeng Liu
University of North Carolina

Organizing Committee

- Yufeng Liu (University of North Carolina)
- Xingye Qiao (Binghamton University; Webmaster)
- Adam Rothman (University of Minnesota)
- Cynthia Rudin (MIT; INFORMS representative)
- Xiaotong Shen (University of Minnesota)

Program Committee

- Genevera Allen (Rice University)
- Yingying Fan (University of Southern California)
- Han Liu (Princeton University)
- Sahand Negahban (Yale University)
- Hernando Ombao (University of California, Irvine)
- Annie Qu (University of Illinois Urbana-Champaign)
- Karl Rohe (University of Wisconsin Madison)
- Ali Shojaie (University of Washington)
- Richard Smith (SAMSI & University of North Carolina)
- Matt Taddy (University of Chicago)
- Robert Warnock (UCB Biosciences Inc.)
- Yuying Xie (Michigan State University)
- Yan Xu (SAS Institute)
- Hao Helen Zhang (University of Arizona)
- Ji Zhu (University of Michigan)

Local Committee

- David Banks (Duke University)
- Shankar Bhamidi (University of North Carolina)
- Siliang Gong (University of North Carolina)
- Eric Laber (North Carolina State University)
- Jan Hannig (University of North Carolina)
- Quefeng Li (University of North Carolina)
- J. S. Marron (University of North Carolina)
- Andrew Nobel (University of North Carolina)
- Yichao Wu (North Carolina State University)
- Yin Xia (University of North Carolina)
- Donglin Zeng (University of North Carolina)
- Kai Zhang (University of North Carolina)

Schedule

Monday, June 6

7:30-8:30am	Registration & Continental Breakfast - Atrium Center

8:30-8:55am Dogwood AB	**Welcome** Professor Amarjit Budhiraja Chair, Department of Statistics and Operations Research, UNC

9:00-10:30am	**Parallel Sessions**

Dogwood AB	**Theoretical Statistical Learning**
	(organized by Yin Xia, UNC; chaired by Jan Hannig, UNC)
9:00-9:30am	Florentina Bunea (Cornell University)
	Minimax Optimal Variable Clustering in G-Models
9:30-10:00am	Andrew Nobel (UNC)
	Large Average Submatrices of a Gaussian Random Matrix: Behavior of Global and Local optima
10:00-10:30am	Kai Zhang (UNC)
	Packing Inference of Correlation for an Arbitrarily Large Number of Variables

Azalea AB	**Distributed Optimization Methods for Machine Learning**
	(organized and chaired by Yan Xu, SAS)
9:00-9:30am	Alireza Yektamaram (Lehigh University and SAS)
	A Nonconvex Hessian-free Method for Deep Learning Problems
9:30-10:00am	Jorge Silva (SAS)
	Learning Good Ensembles: New Approaches
10:00-10:30am	Patrick Koch (SAS)
	Local Search Optimization for Hyper-Parameter Tuning

Mountain Laurel AB	**Applied Learning and Analysis**
	(organized and chaired by Cynthia Rudin, MIT)
9:00-9:30am	John Guerard (McKinley Capital Mgt., LLC)
	Robust Regression and Data Mining of Financial Data
9:30-10:00am	Edward McFowland III (University of Minnesota)
	Efficient Identification of Heterogeneous Treatment Effects in Randomized Experiments via Anomalous Pattern Detection

10:00-10:30am	Stefano Traca (MIT)
	Regulating Greed Over Time

Bellflower AB	**Network Inference**
	(organized by Karl Rohe, Univ. Wisconsin Madison; chaired by Bailey Fosdick, Colorado State)
9:00-9:30am	Can Le (University of Michigan)
	Structure of sparse random networks
9:30-10:00am	Daniel Sussman (Harvard University)
	Unbiased Estimation of Causal Effects under Network Interference
10:00-10:30am	Alexander Volfovsky (Harvard/ Duke)
	Testing and estimation for relational data

10:30-11:00am	Break - Atrium Center

11:00am-12:00pm Dogwood AB	**Plenary Talk** (chaired by Richard Smith, SAMSI & UNC) Bin Yu, UC Berkeley

12:00-1:30pm	**Lunch** - Trillium AB

1:30-3:00pm	**Parallel Sessions**

Dogwood AB	**New Regularization Techniques**
	(organized by Ji Zhu, Univ. Michigan; chaired by Annie Qu, UIUC)
1:30-2:00pm	Yunzhang Zhu (Ohio State University)
	High-dimensional Multivariate Regression
2:00-2:30pm	Fang Han (University of Washington)
	Optimal Structure-Induced Network Estimation
2:30-3:00pm	Qing Mai (Florida State University)
	Multiclass Sparse Discriminant Analysis

Azalea AB	**Machine Learning on Big Data**
	(organized and chaired by Matt Taddy, Univ. of Chicago)
1:30-2:00pm	Daniel Roy (University of Toronto)
	Sparse Random Graphs arising from Exchangeable Random Measures
2:00-2:30pm	Rebecca Steorts (Duke University)
	Why infinite exchangeable mixture models fail for sparse data sets yet microclustering succeeds

2:30-3:00pm	Yichao Wu (NCSU)

Principal Weighted Support Vector Machines for Sufficient Dimension Reduction in Binary Classification

<u>Mountain Laurel AB</u>	**High Dimensional Learning Methods and Theory**

(organized by Xiaotong Shen, Univ. of Minnesota; chaired by Wei Sun, Fred Hutchinson Cancer Research Center)

1:30-2:00pm	Jan Hannig (UNC)

Generalized fiducial inference for high-dimensional data

2:00-2:30pm	Yiyuan She (Florida State University)

Indirect Gaussian Graph Learning beyond Gaussianity

2:30-3:00pm	Zhigen Zhao (Temple University)

A new approach to multiple testing of grouped hypotheses

<u>Bellflower AB</u>	**New Mining Tools for Complex Data**

(organized by Hao Helen Zhang, U. Arizona; chaired by Xiaoli Gao, UNC -Greensboro)

1:30-2:00pm	Ping Ma (University of Georgia)

Smoothing spline ANOVA for super-large samples

2:00-2:30pm	Junming Yin (University of Arizona)

Latent Space Inference of Internet-Scale Networks

2:30-3:00pm	Boxiang Wang (University of Minnesota)

Another Look at DWD

3:00-3:30pm	Break - <u>Atrium Center</u>

3:30-5:00pm	**Parallel Sessions**

<u>Dogwood AB</u>	**Machine Learning for Imaging and Medical Applications**

(organized and chaired by Donglin Zeng, UNC)

3:30-4:00pm	Dinggang Shen (UNC)

Machine Learning in Medical Imaging Analysis

4:00-4:30pm	Yuanjia Wang (Columbia University)

Support Vector Hazards Machine: A Counting Process Framework for Learning Risk Scores for Censored Outcomes

4:30-5:00pm	Ming Yuan (University of Wisconsin Madison)

Structured Correlation Detection with Application to Colocalization Analysis in Dual-Channel Fluorescence Microscopic Imaging

• June 6

Azalea AB **High-dimensional Inference**

(organized and chaired by Kai Zhang, UNC)

3:30-4:00pm Anru Zhang (University of Wisconsin at Madison)

Rate-Optimal Perturbation Bounds for Singular Subspaces with Applications to High-Dimensional Statistics

4:00-4:30pm Han Liu (Princeton University)

Combinatorial Inference

4:30-5:00pm Shu Lu (UNC)

Confidence Regions and Intervals for Sparse Penalized Regression Using Variational Inequality Techniques

Mountain Laurel AB **Topics on High Dimensional Learning and Inference**

(organized and chaired by Genevera Allen, Rice Univ.)

3:30-4:00pm Johannes Lederer (University of Washington)

Efficient Feature Selection With Big Data

4:00-4:30pm Weijie Su (Stanford University)

Multiple Testing and Adaptive Estimation via the Sorted L-One Norm

4:30-5:00pm Stefan Wager (Stanford University)

Causal Inference with Random Forests

Bellflower AB **Biopharmaceutical Applications**

(organized and chaired by Robert Warnock, UCB Biosciences Inc.)

3:30-4:00pm Bhargav Reddy (UCB Biosciences Inc.)

Predicting Disease State in Crohn's Patients using Clinical Trial Data

4:00-4:30pm Holger Frohlich (UCB Biosciences Inc.)

Re-Use of Randomized Clinical Trials Data for Predictive Modeling in Epilepsy and Systemic Lupus Erythematosus

4:30-5:00pm Scott Clark (Eli Lilly)

Discussion and vision of future developments in pharmaceutical research

Tuesday, June 7

7:30-8:30am	Continental Breakfast - <u>Atrium Center</u>

8:30-10:00am	**Parallel Sessions**

<u>Dogwood AB</u> — **The Challenges of machine learning methods and computing tools for large-scale data**

(organized by Annie Qu, UIUC; chaired by Yufeng Liu, UNC)

8:30-9:00am — Heping Zhang (Yale University)

Inference with unequal knowledge: nuisance penalized regression, conditional distance correlation, and prior LASSO

9:00-9:30am — Annie Qu (UIUC)

A Group-Specific Recommender System

9:30-10:00am — Yuan Zhang (University of Michigan)

Estimating network edge probabilities by neighborhood smoothing

<u>Azalea AB</u> — **Inference and Estimation in Statistical Machine Learning**

(organized and chaired by Han Liu, Princeton)

8:30-9:00am — Adel Javanmard (USC)

Online Rules for Control of False Discovery Rate

9:00-9:30am — Zhao Ren (University of Pittsburgh)

Robust Covariance/Scatter Matrix Estimation via Matrix Depth

9:30-10:00am — Zhaoran Wang (Princeton University)

Probing the Pareto Frontier of Computational-Statistical Tradeoffs

<u>Mountain Laurel AB</u> — **Network Analysis and Inference tools**

(organized by Kai Zhang, UNC; chaired by Mu Zhu, Univ. Waterloo)

8:30-9:00am — Shankar Bhamidi (UNC)

Change Point Detection in Evolving Network Models

9:00-9:30am — Xi Luo (Brown University)

Network Communities and Variable Clustering: A Covariance Matrix Approach

9:30-10:00am — Pingshou Zhong (Michigan State University)

Tests for Covariance Structures with High-dimensional Repeated Measurements

Bellflower AB   **Discovery of Features and Patterns**

(organized by Cynthia Rudin MIT; chaired by Yiyuan She, Florida State Univ.)

8:30-9:00am   Genevera Allen (Rice University)

Algorithmic Regularization Paths: A New Approach to Variable Selection for High-Dimensional, Highly Correlated Data

9:00-9:30am   Lauren Hannah (Columbia University)

Statistically Summarizing Labeled Text Data

9:30-10:00am   Shawn Mankad (Cornell University)

Single Stage Prediction with Text Data using Dimension Reduction Techniques

10:00-10:30am   Break - Atrium Center

10:30-11:30am   **Plenary Talk** (chaired by Michael Kosorok, UNC)
Dogwood AB   Susan A. Murphy, University of Michigan
Assessing Time-Varying Causal Effect Moderation in Intensive Time-Varying Treatment

11:30-1:00pm   **Lunch** - Trillium AB

1:00-2:30pm   **Parallel Sessions**

Dogwood AB   **Network and Graphical Models**

(organized by Hernando Ombao, UC Irvine; chaired by Yunzhang Zhu, Ohio State)

1:00-1:30pm   Ali Shojaie (University of Washington)

Network Reconstruction from High Dimensional Ordinary Differential Equations

1:30-2:00pm   Lina Lin (University of Washington)

Estimation of High-dimensional Graphical Models using Regularized Score Matching

2:00-2:30pm   Shuo Chen (University of Maryland)

Network induced large covariance matrix estimation

Azalea AB   **Flexible Methods for Genomic data**

(organized by Yufeng Liu, UNC; chaired by Guan Yu, UNC)

1:00-1:30pm   Wei Sun (Fred Hutchinson)

A Two-Step Approach to Estimate the Skeletons of High-Dimensional Directed Acyclic Graphs

1:30-2:00pm	Yuying Xie (Michigan State University)
	Joint Estimation of Multiple Dependent Gaussian Graphical Models with Applications to Mouse Genomics
2:00-2:30pm	Dongmei Li (University of Rochester)
	An evaluation of statistical methods for RNA-Seq data analysis

Mountain Laurel AB   **Computational Methods in Statistics**

(organized and chaired by Sahand Negahban, Yale Univ.)

1:00-1:30pm	Constantine Caramanis (UT Austin)
	High-dimensional EM algorithm
1:30-2:00pm	Sahand Negahban (Yale University)
	Restricted Strong Convexity and Weak Submodularity
2:00-2:30pm	Garvesh Raskutti (University of Wisconsin Madison)
	High-dimensional Poisson auto-regressive models for dynamic network modeling

Bellflower AB   **New developments for analyzing complex data**

(organized and chaired by Xingye Qiao, SUNY Binghamton)

1:00-1:30pm	Xi Chen (NYU)
	Optimal Stopping and Worker Selection in Crowdsourcing: an Adaptive Sequential Probability Ratio Test Framework
1:30-2:00pm	Jacob Bien (Cornell University)
	Lag Structured Modeling for High Dimensional Vector Auto-regression
2:00-2:30pm	Ganggang Xu (Binghamton University)
	A simple averaged post-model-selection confidence interval

2:30-3:00pm	Break - Atrium Center

3:00-4:30pm	**Parallel Sessions**

Dogwood AB   **Causal Inference**

(organized and chaired by Eric Laber, NCSU)

3:00-3:30pm	Tyler McCormick (University of Washington)
	Standard errors for exchangeable relational arrays
3:30-4:00pm	Long Nguyen (University of Michigan)
	Bayesian Nonparametric Multilevel Clustering with Group-Level Contexts
4:00-4:30pm	Cynthia Rudin (MIT)
	Causal Falling Rule Lists

• June 7

Azalea AB	**Machine Learning for Structured Data**
	(organized by Xiaotong Shen, Univ. Minnesota; chaired by Shu Lu, UNC)
3:00-3:30pm	Shuheng Zhou (University of Michigan)
	High-dimensional statistical modeling and estimation with matrix variate data
3:30-4:00pm	Xingye Qiao (Binghamton University)
	Noncrossing Ordinal Classification
4:00-4:30pm	Cun-Hui Zhang (Rutgers University)
	Nonparametric Shrinkage Estimation

Mountain Laurel AB	**Inference for regularized estimation in high dimensions**
	(organized and chaired by Ali Shojaie, Univ. Washington)
3:00-3:30pm	Max G'Sell (CMU)
	Model selection via sequential goodness-of-fit testing
3:30-4:00pm	Mladen Kolar (University of Chicago)
	Post-Regularization Confidence Bands for High-Dimensional Nonparametric Models with Local Sparsity
4:00-4:30pm	Sen Zhao (University of Washington)
	High-Dimensional Hypothesis Testing with the Lasso

Bellflower AB	**New learning tools for complex data and beyond**
	(organized by Yufeng Liu, UNC; chaired by David Pritchard UNC)
3:00-3:30pm	J. Paul Brooks (Virginia Commonwealth University)
	Estimating L1-Norm Best-Fit Lines
3:30-4:00pm	Chengyong Tang (Temple University)
	Precision Matrix Estimation by Inverse Principal Orthogonal Decomposition
4:00-4:30pm	Mu Zhu (University of Waterloo)
	Networks, Small G Proteins, and Basketball Games

4:30-6:30pm	**Poster Session** - Atrium Center

6:30-8:30pm	**Banquet** - Trillium AB
	Speaker: J.S. Marron (UNC)

Wednesday, June 8

7:30-8:30am	Continental Breakfast - <u>Atrium Center</u>

8:30-10:00am	**Parallel Sessions**

<u>Dogwood AB</u>	**Machine learning for precision medicine**
	(organized by Yufeng Liu, UNC; chaired by Chengyong Tang, Temple Univ.)
8:30-9:00am	Donglin Zeng (UNC)
	Estimating Personalized Diagnostic Rules via Weighted Support Vector Machines
9:00-9:30am	Yingqi Zhao (Fred Hutchinson)
	Develop Parsimonious and Robust Treatment Strategies for Target Populations
9:30-10:00am	Haoda Fu (Eli Lily)
	Personalized Medicine, Machine Learning and Artificial Intelligence: Challenges and Opportunities

<u>Azalea AB</u>	**New developments on sufficient dimension reduction and envelope estimation**
	(organized and chaired by Yichao Wu, NCSU)
8:30-9:00am	Andreas Artemiou (Cardiff University)
	Robustifying sufficient dimension reduction against inliers and outliers
9:00-9:30am	Zhihua Su (University of Florida)
	Groupwise Envelope Models for Imaging Genetic Analysis
9:30-10:00am	Xin Zhang (Florida State University)
	Some Recent Advances in Envelope Methodology

<u>Mountain Laurel AB</u>	**New Sparse Methods for Regression and Classification**
	(organized by Hao Helen Zhang; University of Arizona; chaired by Zhigen Zhao, Temple Univ.)
8:30-9:00am	Ning Hao (University of Arizona)
	A rotate-and-solve procedure for high dimensional classification
9:00-9:30am	Gen Li (Columbia University)
	Supervised Integrative Principal Component Analysis
9:30-10:00am	Sijian Wang (University of Wisconsin Madison)
	Sparse additive index model for group variable selection

10:00-10:30am	Break - Atrium Center

10:30-11:30am Dogwood AB	**Plenary Talk** (chaired by Eric Laber, NCSU) Michael R. Kosorok, UNC *The Evolution of Data Science and Statistics*

11:30-1:00pm	**Lunch** - Trillium AB

1:00-2:30pm	**Parallel Sessions**

Dogwood AB	**Data Integration and Meta Analysis**
	(organized and chaired by Quefeng Li, UNC)
1:00-1:30pm	Haitao Chu (University of Minnesota)
	Bayesian Hierarchical Models for Multiple Diagnostic Tests Meta-analysis
1:30-2:00pm	Shuangge Ma (Yale University)
	Integrating multidimensional omics data for cancer prognosis
2:00-2:30pm	Chi Song (Ohio State University)
	A Bayesian Method for Transcriptomic Meta-analysis – Exploring the Homogeneity and Heterogeneity

Azalea AB	**Flexible Learning Tools and Applications**
	(organized and chaired by Yuying Xie, MSU)
1:00-1:30pm	Wei Sun (Yahoo)
	Provable Sparse Tensor Decomposition and Its Application to Personalized Recommendation
1:30-2:00pm	Peng Wang (University of Cincinnati)
	Selection by Partitioning the Solution Paths
2:00-2:30pm	Tian Zheng (Columbia University)
	Topic-adjusted visibility metric for scientific articles

Mountain Laurel AB	**New Sparse Learning Techniques**
	(organized by Yin Xia, UNC; chaired by Jingxiang Chen UNC)
1:00-1:30pm	Botao Hao (Purdue University)
	Simultaneous Clustering and Estimation of Multiple Graphical Models
1:30-2:00pm	Aaron Molstad (University of Minnesota)
	Indirect multivariate response linear regression

2:00-2:30pm	Xue Wang (Penn. State University)
	Folded Concave Penalized Nonconvex Learning via a Modern Optimization Lens
2:30-3:00pm	Break - Atrium Center

3:00-4:30pm	**Parallel Sessions**

Dogwood AB	**Data Science and Networks: Methodology and Applications**
	(organized and chaired by Shankar Bhamidi, UNC)
3:00-3:30pm	Bailey Fosdick (Colorado State University)
	Multiresolution models for networks
3:30-4:00pm	Anand Vidhyashankar (George Mason University)
	Implicit Networks in High Dimensional Problems
4:00-4:30pm	James Wilson (University of San Francisco)
	A Significance-based Community Extraction Method for Multi-layer Networks

Azalea AB	**Industrial Applications**
	(organized by Cynthia Rudin, MIT; chaired by J. Paul Brooks, Virginia Commonwealth Univ.)
3:00-3:30pm	Veena Mendiratta (Bell Labs, Nokia)
	Anomaly Detection in Wireless Networks using Mobile Phone Data
3:30-4:00pm	Matthew Lanham (Virginia Tech)
	A Framework for Combining Statistical & Business KPIs for Low-Turn Product Forecasts
4:00-4:30pm	C. Bayan Bruss (Accenture)
	When the Well Runs Dry: Predicting Observed GRACE Satellite Groundwater Storage Trends Using Data in 81 Countries

Mountain Laurel AB	**Modern Statistical Learning Methods for Big Data**
	(organized by Yingying Fan USC; chaired by Siliang Gong UNC)
3:00-3:30pm	Will Fithian (UC Berkeley)
	Local Case-Control Sampling: Efficient subsampling in imbalanced data sets
3:30-4:00pm	Kun Chen (University of Connecticut)
	Sequential Estimation in Sparse Factor Regression
4:00-4:30pm	Yuekai Sun (UC Berkeley)
	Feature distributed sparse regression

• June 8

1. Anthony S. Abrantes (UNC)

    Classifying EEG data for working memory load

2. Xuan Bi (UIUC)

    A Group-Specific Recommender System

3. Kelly Bodwin (UNC)

    Coherent Itemset Mining

4. Frederick Campbell (Rice University)

    Within Group Variable Selection through the Exclusive Lasso

5. Jingxiang Chen (UNC)

    Estimating Individualized Treatment Rules for Ordinal Treatments

6. Glen Colopy (University of Oxford)

    Personalized Patient Monitoring with Gaussian Processes using Fast Adaptive Kernel Selection

7. Derek Feng (Yale University)

    ABtree: An Algorithm for Subgroup-Based Treatment Assignment

8. Siliang Gong (UNC)

    Efficient Testing-based Variable Selection for High-dimensional Linear Models

9. Nhat Ho (University of Michigan)

    Singularity Structures and Parameter Estimation in Finite Mixtures of Skew Normal Distributions

10. Wenhao Hu (NCSU)

    Assessing Tuning Parameter Selection Variability in Penalized Regression

11. Meilei Jiang (UNC)

    A Novel Method for Identifying Community Subtypes in the Sparse Microbiome of the Infected Lower Lung

12. Qunqun Yu (UNC)

    JIVE integration of imaging and behavioral data

13. Vered Madar (SAMSI)

    New and Simpler Algebraic Framework for Generating Correlated Random Variables

14. Christian Mueller (Simons Foundation)

    Generalized Stability Approach for Regularized Graphical Models

15. John Palowitch (UNC)

    The Continuous Configuration Model: A Null for Community Detection on Weighted Networks

16. So-Young Park (NCSU)

    Functional data analysis for quantile regression modeling, with application to feed intake of lactating sows

17. David Pritchard (UNC)

    Composite Quantile-based Classifiers

18. Mauricio Sadinle Garcia-Ruiz (Duke and NISS)

    Set-Valued Multiclass Classifiers: Lowest Ambiguity with Bounded Error Levels

19. Andrey Skripnikov (University of Florida)

    Estimation of Multi-Granger Network Causal Models

20. Samuel Ventura (CMU)

    PREDS: Prediction with Ensembles using Distribution Summaries

21. Kristopher Williams (University of Texas at San Antonio)

    Unsupervised Outlier Detection Using Robust Locally Weighted Density Estimation

22. Zidian Xie (University of Rochester)

    Building a Predictive Model for Type 2 Diabetes Using Machine Learning

23. Guan Yu (UNC)

    Sparse Regression for Block-missing Multi-modality Data

24. Zheqi Zhang (UNC)

    Efficient Gauss-Newton-type Algorithms for Low-Rank Matrix Optimization

25. Yi Zhao (Brown University)

    Pathway Lasso: Estimate and Select Sparse Mediation Pathways with High Dimensional Mediators

26. Hyowon An (UNC)

    Gaussian Centered L-moments

PARTICIPANTS

Abrantes, Anthony
UNC-Chapel Hill

Adeli Mosabbeb, Ehsan
UNC-Chapel Hill

Allen, Genevera
Rice University

An, Hyowon
UNC-Chapel Hill

Artemiou, Andreas
Cardiff University

Bhamidi, Sreekalyani
UNC-Chapel Hill

Bi, Xuan
University of Illinois

Bien, Jacob
Cornell University

Bodwin, Kelly
UNC-Chapel Hill

Brinkley, Jason
American Institutes for Research

Brooks, Paul
Virginia Commonwealth University

Bruss, Christopher
Accenture

Budhiraja, Amarjit
UNC-Chapel Hill

Bunea, Florentina
Cornell University

Campbell, Frederick
Rice University

Cao, Xiaohuan
UNC-Chapel Hill

Caramanis, Constantine
The University of Texas at Austin

Chari, Manoj
SAS Institute Inc.

Chen, Ding-geng
UNC-Chapel Hill

Chen, Jingxiang
UNC-Chapel Hill

Chen, Kun
University of Connecticut

Chen, Shuo
University of Maryland, College Park

Chen, Xi
New York University

Chu, Haitao
University of Minnesota

Clark, Scott
Eli Lilly and Company

Colopy, Glen
University of Oxford

Colopy, Michael
UCB Biosciences

Dula, Jose
Virginia Commonwealth University

Feng, Derek
Yale University

Fithian, William
UC Berkeley

Fosdick, Bailey
Colorado State University

Francis, Owen
UNC-Chapel Hill

Froehlich, Holger
UCB Biosciences GmbH

Fu, Haoda
Eli Lilly and Company

G'Sell, Maxwell
Carnegie Mellon University

Gao, Xiaoli
UNC Greensboro

Goldstein, Benjamin
Duke University

Golovidov, Oleg
SAS Institute Inc.

Gong, Siliang
UNC-Chapel Hill

Griffin, Joshua
SAS Institute Inc.

Guerard, John
McKinley Capital Management, LLC

Han, Fang
University of Washington

Hannah, Lauren
Columbia University

Hannig, Jan
UNC-Chapel Hill

Hao, Botao
Purdue University

Hao, Ning
University of Arizona

Ho, Nhat
University of Michigan, Ann Arbor

Hu, Wenhao
North Carolina State University

Huang, Jie
UNC-Chapel Hill

Javanmard, Adel
University of Southern California

Jiang, Meilei
UNC-Chapel Hill

Kabul, Ilknur
SAS Institute Inc.

Karbasi, Amin
Yale University

Koch, Patrick
SAS Institute Inc.

Kolar, Mladen
The University of Chicago

Kong, Dehan
UNC-Chapel Hill

Kosorok, Michael
UNC-Chapel Hill

Lanham, Matthew
Virginia Tech

Le, Can
University of Michigan

Lederer, Johannes
University of Washington

Li, Dongmei
University of Rochester

Li, Gang
UNC-Chapel Hill

Li, Gen
Columbia University

Li, Quefeng
UNC- Chapel Hill

Li, Weiwei
UNC-Chapel Hill

Li, Zhonghua
Nankai University

Lin, Lina
University of Washington

Liu, Han
Princeton University

Liu, Jianyu
UNC-Chapel Hill

Liu, Jun
SAS Institute Inc.

Liu, Liu
Sichuan Normal University

Liu, Suyu
UT MD Anderson Cancer Center

Liu, Yufeng
UNC-Chapel Hill

Liu, Yunxiao
UNC-Chapel Hill

Lu, Shu
UNC-Chapel Hill

Luo, Xi
Brown University

Ma, Ping
University of Georgia

Ma, Shuangge
Yale University

Madar, Vered
SAMSI

Mai, Qing
Florida State University

Mankad, Shawn
Cornell University

Marron, James
UNC-Chapel Hill

McCormick, Tyler
University of Washington

McFowland, Edward
University of Minnesota

Melechko, Anatoli
SAS Institute Inc.

Mendiratta, Veena
Bell Labs, Nokia

Molstad, Aaron
University of Minnesota

Mueller, Christian
Simons Foundation

Murphy, Susan
University of Michigan

Nateghi, Roshanak
Purdue University

Negahban, Sahand
Yale University

Nguyen, XuanLong
University of Michigan

Nobel, Andrew
UNC-Chapel Hill

Nugent, Rebecca
Carnegie Mellon University

Palowitch, John
UNC-Chapel Hill

Park, So Young
North Carolina State University

Pritchard, David
UNC-Chapel Hill

Qiao, Xingye
Binghamton University

Qu, Peiyong
University of Illinois at Urbana-Champaign

Raskutti, Garvesh
University of Wisconsin-Madison

Reddy, Bhargava
UCB Biosciences Inc.

Rekik, Islem
UNC-Chapel Hill

Ren, Zhao
University of Pittsburgh

Roy, Daniel
University of Toronto

Rudin, Cynthia
MIT

Sadinle Garcia-Ruiz, Mauricio
Duke University

She, Yiyuan
Florida State University

Shen, Dinggang
UNC-Chapel Hill

Shojaie, Ali
University of Washington

Silva, Jorge
SAS Institute Inc.

Skripnikov, Andrey
University of Florida

Smith, Richard L.
SAMSI & UNC-Chapel Hill

Song, Chi
The Ohio State University

Steorts, Rebecca
Duke University

Su, Weijie
Stanford University

Su, Zhihua
University of Florida

Sun, Wei
Yahoo

Sun, Wei
Fred Hutchinson Cancer Research Center

Sun, Yuekai
University of Michigan

Sussman, Daniel
Harvard University

Taddy, Matt
Microsoft

Tang, Cheng Yong
Temple University

Tao, Ran
UNC-Chapel Hill

Traca, Stefano
MIT

Tran Dinh, Quoc
UNC-Chapel Hill

Van Horebeek, Johan
Cimat

Ventura, Samuel
Carnegie Mellon University

Vidyashankar, Anand
George Mason University

Volfovsky, Alexander
Duke University and Harvard University

Wager, Stefan
Stanford University

Wang, Boxiang
University of Minnesota

Wang, Jun
UNC-Chapel Hill

Wang, Li
UNC-Chapel Hill

Wang, Peng
University of Cincinnati

Wang, Sijian
University of Wisconsin, Madison

Wang, Xiaofei
Amherst College

Wang, Xue
Pennsylvania State University

Wang, Yuanjia
Columbia University

Wang, Zhaoran
Princeton University

Warnock, Robert
UCB Biosciences Inc.

Williams, Kristopher
University of Texas at San Antonio

Wilson, James
University of San Francisco

Wood, Ian
University of Queensland

Wu, Ruoyu
UNC-Chapel Hill

Wu, Yichao
North Carolina State University

Wu, Zhengwang
UNC-Chapel Hill

Xie, Yuying
Michigan State University

Xie, Zidian
University of Rochester

Xu, Ganggang
SUNY-Binghamton

Xu, Yan
SAS Institute Inc.

Yao, Yonggang
SAS Institute Inc.

Yektamaram, Alireza
SAS Institute Inc.

Yin, Junming
University of Arizona

Yu, Bin
University of California, Berkeley

Yu, Guan
UNC-Chapel Hill

Yu, Renping
UNC-School of Medicine

Yuan, Ming
University of Wisconsin-Madison

Zeng, Donglin
UNC-Chapel Hill

Zhang, Anru
University of Wisconsin-Madison

Zhang, Cun-Hui
Rutgers University

Zhang, Heping
Yale University

Zhang, Kai
UNC-Chapel Hill

Zhang, Xin "Henry"
Florida State University

Zhang, Yuan
University of Michigan

Zhang, Zhengwu
UNC-Chapel Hill

Zhang, Zheqi
UNC-Chapel Hill

Zhao, Sen
University of Washington

Zhao, Yi
Brown University

Zhao, Yingqi
Fred Hutchinson Cancer Research Center

Zhao, Zhigen
Temple University

Zheng, Tian
Columbia University

Zhong, Ping-Shou
Michigan State University

Zhou, Shuheng
University of Michigan

Zhou, Wenwen
SAS Institute Inc.

Zhu, Mu
University of Waterloo

Zhu, Xiaofeng
UNC-Chapel Hill

Zhu, Yunzhang
The Ohio State University

Conference on Statistical Learning and Data Science

Department of Statistics and Operations Research

Department of Biostatistics

University of North Carolina at Chapel Hill

Chapel Hill, NC

Designed by

Siliang Gong · Yufeng Liu · Kai Zhang