Hello Professor Akoglu,

My name is Michael Kronovet: I am a rising senior at CMU studying statistics and machine learning. I have just finished taking Intro to Machine Learning (10-701), Data Mining (36-462), and Advanced Data Analysis (36-402), and I have really enjoy the statistics/machine learning curriculum thus far. I hope to pursue a PhD in statistics, and I am very eager to get involved with research next semester. I came across your really cool work with social networks, and I was wondering if there was any way I could get involved?

Thank you for your time,

Michael

I was browsing the biostatistics faculty research at Pitt, and I am fascinated by your \_\_\_\_\_\_\_\_ (neuroscience) research. I plan to pursue a PhD in statistics, and I would really like to get involved in your research. Do you have any open research positions starting this coming fall?

Thank you for your time.

Biostats:

<http://www.publichealth.pitt.edu/biostatistics/whos-who/faculty-all/primary-faculty>

Stats:

<https://www.stat.pitt.edu/people>

Stewart J Anderson

Areas of current methodological research interests include: 1) methods in clinical trials including survival analysis, Bayesian clinical trials design, and the use of Markov processes in modeling clinical data; 2) modern regression techniques especially nonparametric regression and regularization methods; and 3) general methodology in longitudinal data analysis.

# Andriy I. Bandos

Dr. Andriy Bandos’s primary research interest is the design and analysis of diagnostic accuracy studies. Major focus of his collaborative work has been in design and analysis of multi-reader retrospective as well as prospective studies of diagnostic technologies for medical imaging. His current methodological research includes statistical evaluation of diagnostic performance, ROC analysis, design and analysis of multi-reader (MRMC) studies, free-response ROC (FROC) methodology, nonparametric methods and resampling approaches in statistics. Most of methodological developments stemmed from the collaborative work and aimed to address questions frequently arising in practice.

# Hanna Bandos

My current primary research interests include statistical aspects of design, implementation and analysis of clinical trials; design and analysis of quality of life studies, and survival analysis. As one of the statisticians for the NRG Oncology I have been involved in design, analysis, and served as a primary statistician on clinical trials evaluating therapies for the prevention and treatment of breast cancer.

# Jeanine M. Buchanich

She is particularly interested in patterns in overdose deaths and ways in which to reduce the effect of this deadly epidemic. She has also examined other specific causes of death and patterns by geographic and demographic factors. Her other research interests include occupational and environmental epidemiology and she serves as the Deputy Director for the Center for Occupational Biostatistics and Epidemiology (COBE). Dr. Buchanich is currently Principal Investigator (PI) on an investigation of the dust characteristics associated with coal mining and miners’ lung function. She also served as PI on a case ascertainment study of polycythemia vera conducted in conjunction with the PA Department of Health, and a study of community health in Appalachian mining communities.

# Jenna C Carlson

Unknown

**Reena S Cecchini**

**Joseph P Costantino**

# Yu Cheng

* Dynamic treatment strategies and Sequential multiple assignment randomized trials
* Biomarker evaluation
* Statistical methods in neuroimaging and brain networks
* Association and regression analyses of competing risks data
* Quantile Association
* Adaptive design
* Classification and discriminant analysis
* Applications to psychiatric studies
* Cystic fibrosis

# Satish Iyengar

* Stochastic models
* Meta-analysis
* Multivariate analysis and distribution
* Applications in neuroscience
* Spike train data analysis

# Sungkyu Jung

* Multivariate statistics
* High dimensional, low sample size problems
* Geometric statistics
* Statistical learning
* Applications in computer vision and medical imaging

# Lucas Mentch

* Statistical & Machine Learning
* Nonparametric & Resampling Methods
* Statistical Computing
* Applications to Crime, Law, Forensics, and Sports

# Nancy Pfenning

* PhD, Mathematics, Carnegie Mellon University, 1985
* BS, Mathematics, University of Pittsburgh, 1978

# Zhao Ren

* High dimensional statistical inference
* Covariance/Precison matrix estimation
* Graphical models and statistical machine learning
* Nonparametric function estimation
* Applications in statistical genomics

# Allan R Sampson

* Multivariate analysis
* Clinical trials
* Order-restricted inference
* Reliability
* Applications in biopharmaceutics, psychiatry, and medicine
* Stereology

# David S Stoffer

* Time series
* Spatial statistics
* Longitudinal data analysis and applications to medicine, epidemiology, molecular biology, and computer vision