# APPLIED STATISTICS FACULTY AVAILABLE FOR RESEARCH COLLABORATION

## SOYOUNG JEON

sjeon@nmsu.edu

**Primary Research Interests**: Developing statistical methods for applications in business, agriculture, biology, and health-related fields.

**Has experience in:** Environmental statistics, extreme value analysis, spatiotemporal modeling

## JOHN DAWSON

dawsonja@nmsu.edu

**Primary Research Interests:** Nutrition and obesity research, proper measurement of nutritional outcomes

**Has experience in:** Design/analysis of clinical trials, equine-assisted therapy, community and family addiction, molecular biology, psychology, kinesiology, genetics, drug delivery, survival outcomes (time-to-event outcomes), environmental science

## CHARLOTTE GARD

cgard@nmsu.edu

**Primary Research Interests**: Breast cancer risk prediction, modeling of mammographic breast density, maternal and child health, health disparities.

**Has experience in:** Categorical data analysis, survival analysis, risk prediction modeling

## CHRIS SROKA

csroka@nmsu.edu

**Primary Research Interests:** Statistical models for count data and methods for evaluating the risk of food contamination

**Has experience in:** Longitudinal or repeated-measures designs, designs involving clustered data, disease mapping/small area estimation, complex sampling, health economics, statistical modeling, simulation, survey sampling, risk assessment

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## MOHAMMAD MEYSAMI

mmeysami@nmsu.edu

**Primary Research Interests**: Spatial cluster detection and prediction, and statistical modeling with applications in public health and environmental sciences.

**Has experience in:** Development of advanced spatial scan methods, probabilistic and statistical modeling, geostatistical interpolation, machine learning approaches, health and biomedical data science, and interdisciplinary collaborations spanning engineering, environmental science, and finance.

## RONG ZHENG

rzheng@nmsu.edu

**Primary Research Interests**: My main research interests lie in the area of cluster analysis, unsupervised learning, big data analytics, and statistical modelling applications. In addition to my primary research, I am also interested in the area of statistical quality control, data visualization, and text mining analysis.

**Has experience in:** I have experiences with analyzing large complex data in various domains, including insurance data, pharmaceutical data, GPS location data, financial survey data, and climate data.