

FACULTY RESEARCH AND EXPERTISE

FACULTY MEMBER

Richard "Herb" McGrath

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BIO: Dr. McGrath is a Professor of Statistics. Dr. McGrath has published research in several areas of applied statistics, including dispersion (variance) effects, univariate and multivariate control charts, and sample size determination. He served the College of Business as Associate Dean from 2012 – 2017. Additionally, he has served in multiple roles for the American Society for Quality (ASQ Statistics Division including Secretary and Chair as well as Treasurer and Chair of the Toledo Section of the American Society for Quality. Prior to obtaining his doctorate and joining BGSU, he worked as a quality engineer, quality manager, and corporate trainer for AT&T.

AREAS OF EXPERTISE

- Applied Statistics
- Industrial Statistics
- Business Analytics

RESEARCH INTERESTS

- Analysis of unreplicated designed experiments
- Dispersion effects
- Statistical process control
- Generalized linear models for joint estimation of location and dispersion effects

CONSULTING PROJECTS

- Expert statistical witness
- Consulting statistician for Association for the Prevention of Atherothrombic Disease