

**Dr. DONG-YOP OH**

Auburn University Montgomery  
Department of Information Systems  
(334) 244-3157  
Email: doh1@aum.edu

**Education**

Ph.D, The University of Alabama  
Major: Applied Statistics

M.S., The University of Alabama  
Major: Applied Statistics

B.A., Pukyong National University, South Korea  
Major: Business Administration

B.S., Pukyong National University, South Korea  
Major: Physics

**Academic Experience**

Associate Professor, Auburn University at Montgomery. (2021 - Present)  
Assistant Professor, Auburn University at Montgomery. (2018 - 2021)  
Assistant Professor, University of Texas Rio Grande Valley. (2012 – August 2018)  
Research Assistant, Center for Business and Economic Research and Alabama  
Productivity Center, University of Alabama. (2005 – 2012)

**Areas of Interests**

**Research:** Computational Statistics/ Time Series Econometrics/ Social Network  
Analytics

**Teaching:** Business Statistics/ Introductory and Advanced Statistics/ Multivariate  
Data Analysis/ Operations Management

**Research**

**Refereed Journals Articles**

Yu, J., **Oh, D.Y.\***, Ashton, T., and Wang, Y. (2022) Predicting eBook Purchases of Heterogeneous Social Groups in a Social Network Site Using Network Metrics, *International Journal of Mobile Communications* (forthcoming).

Yu, J., Bang, C., and **Oh, D.Y.\*** (2020). The Effect of Non-cognitive Factors on Information Disclosure on Social Network Websites: Role of Habit and Affect. *Southern Business Economic Journal*, 43(2), 1-17 (Accepted in March 2022).

**Oh, D.Y.**, Lee, H., and Boulware, K. D. (2020). A comment on interest rate pass-through: a non-normal approach. *Empirical Economics*, 59(4), 2017–2035.

Lee, H.J., **Oh, D.Y.\***, and Meng, M. (2019). Stationarity and Cointegration of Health Expenditure and GDP: in the presence of Smooth Structural Shifts. *Empirical Economics*, 57(2), 631-652

**Oh, D.Y.**, Lee, H.J., and Meng, M. (2018). More powerful threshold cointegration tests. *Empirical Economics*, 54(3), 887-911.

**Oh, D.Y.** (2017). Experiments to Parameters and Base Classifiers in the Fitness Function for GA-Ensemble. *International Journal of Statistics in Medical and Biological Research*, 1, 9-18.

**Oh, D.Y.**, and Lee, H.J. (2017). LM cointegration tests allowing for an unknown number of breaks: implications for the forward rate unbiasedness hypothesis. *Applied Economics*, 49(12), 1194-1203.

Lee, H.J. and **Oh, D.Y.** (2016). Dealing with the initial observation in the LM unit root test, *Communications in Statistics-Simulation and Computation*, 45(10), 3660-3669.

**Oh, D.Y.** and Gray, J.B. (2015). A graphic method for choosing the best parameter value of margins for maximizing in GA-Ensemble. *International Journal of Services and Standards*, 10(3), 89-102.

Shin, S and **Oh, D.Y.\*** (2015). International equity market integration: evidence from ETFs. *International Journal of Electronic Finance*, 8(2/3/4), 124-148.

**Oh, D.Y.\*** and Gray, J.B. (2013). GA-Ensemble: A Genetic Algorithm for Robust Ensemble. *Computational Statistics*, 28(5), 2333-2347.

Yu, J., Ha, J.W., **Oh, D.Y.** (2009). Causes of Conflicts for Local Information Technology Managers in Multinational Companies. *Journal of Technology Research*, 1, 1-6.

## Presentations

Lee, H.J., **Oh, D.Y.**, Brooks, M., 2021 *Decision Sciences Institute*, "Investigating mean reversion of OECD stock prices: Evidence from tests using non-normal errors," Online. (November 2021).

**Oh, D.Y.**, Yu, J.T., Ashton, T., and Auguste, F. 2019 *Decision Sciences Institute*, "Predicting Book Purchases in a Social Network Site" New Orleans, LA (November 2019)

**Oh, D.Y.** and Lee, H.J. 2017 *Joint Statistical Meetings*, "Cointegration of Health Expenditure and GDP with Smooth Breaks" Baltimore, MD (August 2017)

**Oh, D.Y.** 2017 *Southwest Decision Sciences Institute* "Simulation Experiments to Determine Fitness Function Parameters and Effect of Classifier Complexity in Genetic Algorithm Ensemble" Little Rock, AR (March 2017)

**Oh, D.Y.** and Lee, H.J. 2016 *Joint Statistical Meetings*, "On the re-visited invariance property of LM cointegration test: Implications for the forward rate unbiasedness hypothesis" Chicago, IL (August 2016)

**Oh, D.Y.** and Gray, J. B. 2015 *Joint Statistical Meetings*, "Variants of GA-Ensemble," Seattle, WA. (August 2015)

**Oh, D.Y.**, Lee, H., and Lee, J. 2014 *Joint Statistical Meetings*, "More Powerful Threshold Cointegration Tests," Boston, MA. (August 2014)

**Oh, D.Y.** and Gray, J. B. 2011 *Joint Statistical Meetings*, "Simulation Experiments to Determine Fitness Function Parameters for GA-Boost," Miami, FL. (August 2011)

**Oh, D.Y.** and Gray, J. B. 2010 *Joint Statistical Meetings*, "An Improved Genetic Algorithm for Boosting in the Presence of Outliers," Vancouver, B.C., Canada. (August 2010)

**Oh, D.Y.** and Gray, J. B. 2009 *Joint Statistical Meetings*, "GA-Boost: A Genetic Algorithm for Robust Boosting," Washington, D.C. (August 2009)

## Project Reports

Addy, S. N., Nzaku, K., Oh, D.Y., Ijaz, A., Trent, C., Skivjani, A., Gabler, K. (2011), "State of the Alabama Workforce V," Center for Business and Economic Research, University of Alabama

Addy, S. N., Nzaku, K., Oh, D.Y., Trent, C., Gabler, K. (2011), “Green Jobs in Alabama: Benefits, Demographics, and Workforce Reports,” Center for Business and Economic Research, University of Alabama

Addy, S. N., Ijaz, A., Trent, C., Lira, C., Oh, D.Y., Chen, R. (2009), “State of the Alabama Workforce IV,” Center for Business and Economic Research, University of Alabama

Addy, S. N., Ijaz, A., Trent, C., Lira, C., Oh, D.Y., Choi, H. (2008), “State of the Alabama Workforce III,” Center for Business and Economic Research, University of Alabama

Addy, S. N., Ijaz, A., Oh, D.Y., Choi, H., Bonnal, M. (2006), “State of the Alabama Workforce II,” Center for Business and Economic Research, University of Alabama

Addy, S. N., Ijaz, A., Oh, D.Y., Choi, H., Bonnal, M. (2005), “Underemployment in Alabama Workforce Investment Advisory Area,” Center for Business and Economic Research, University of Alabama

## **Teaching**

### **Auburn University at Montgomery**

Business Statistics I  
Business Statistics II  
Data Mining Methods and Appl.  
Data Analytics for Comp. Adv.  
Appl. Bus. and Data Analytics.

### **University of Texas Rio Grande Valley**

Applied Multivariate  
Business Research Foundations  
Business Statistics I & II  
Computational Methods in Business  
Data Analytics for Competitive Advantage  
QUMT Decision-Making in Business  
Quantitative Methods for Decision making in Business  
Statistical Method for Business  
Statistical Foundations

## **Directed Student Learning**

Master's Thesis Committee Member, "Healthcare Information Technology adoption in Nigeria," Information Systems and Decision Science. (2022).

Advised: Christopher Edo

Directed Individual/Independent Study, "Data Analytics," Information Systems and Decision Science. (August 2021 - October 2021).

Advised: Sivannarayana Gandikota

Supervised Research. (September 2018 - December 2019).

Advised: Franciscot Auguste

Supervised Research. (2016 - 2018).

Advised: Jae Young Hwang

Supervised Research. (2016 - 2017).

Advised: Valeria Obregon, Karen Cavazos

Supervised Research. (2015 - 2016).

Advised: Angelica Robles, Briana Castillo

### **Faculty Development Activities Attended**

Workshop, "SAP Workshops, Winter 2022." (January 2022 - Present).

Workshop, "SAP Workshops, Winter 2021." (January 2021 - Present).

Workshop, "SAP Workshops, Winter 2020," Huntsville, Texas. (January 6, 2020 - January 9, 2020).

Workshop, "SAP Workshops, Winter 2019," Huntsville, Texas. (January 7, 2019 - January 10, 2019).

Workshop, "Big Data: Proven Methods You Need to Extract Big Value," San Francisco, California. (April 3, 2016 - April 6, 2016).

Workshop, "R for Predictive Modeling," San Francisco, California. (March 15, 2014 - March 17, 2016).

### **Awards & Scholarships**

Junior Faculty Research Award (2020)

Clarence Dewitt Smith Scholarship Recipient (2008)

Clarence Dewitt Smith Scholarship Recipient (2007)

Award of Meritorious Achievement in Outreach of Applied Statistics (2007)

Award of Meritorious Achievement in Applied Statistics (2006)

Award of Meritorious Achievement in Applied Statistics (2005)

### **Service**

#### **Auburn University at Montgomery**

Committee Member, Dept. Stat Curriculum Committee (2018~present)

Committee Member, Faculty Development Committee (2019~present)

Committee Member, Strategic Planning Committee (2022~present)

Committee Member, Core Curriculum Committee (2019~2021)

Committee Member, Honors Committee (2021~present)

**University of Texas Rio Grande Valley**

Committee Chair, Annual Review Committee (2012~2018)

Committee Member, QUMT Faculty Search Committee (2012~2018)

Committee Member, MBA Committee (2012~2015)

Committee Member, Undergraduate Curriculum Committee (2015~2016)

Committee Member, Faculty Senate (2015~2018)

**Professional Service**

Reviewer, Journal Article, *Journal of Empirical Finance*

Reviewer, Journal Article, *Empirical Economics*

Reviewer, Journal Article, *Information Systems Frontiers*

Reviewer, Journal Article, *Southern Business and Economic Journal*

Reviewer, Journal Article, *International Journal of Mobile Communications*

Reviewer, Journal Article, *International Journal of Service and Standards*

Reviewer, Journal Article, *International Journal of Electronic Healthcare*

Reviewer, Journal Article, *Recent Patents on Engineering*

Reviewer, Conference Articles, *2018 First International Conference on Data Intelligence and Security.*

Reviewer, MIS Program Curriculum, Department of Accounting & MIS,  
King Fahd University of Petroleum and Minerals (2018)

Editorial Review Board Member, *Economics* (2019 ~ present)

Editorial Review Board Member, *Global Economics Science* (2019 ~ present)

Editorial Review Board Member, *International Journal of Statistics in Medical and Biological Research* (2016~2019)