

ABBASS AL SHARIF

CONTACT INFORMATION

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WORK EXPERIENCE

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| UNIVERSITY OF SOUTHERN CALIFORNIA <i>Academic Director</i> Masters of Science in Business Analytics | 2015 – Present |
| UNIVERSITY OF SOUTHERN CALIFORNIA <i>Assistant Professor</i> Data Sciences and Operations Department | 2013 – Present |
| UTAH STATE UNIVERSITY <i>Graduate Researcher</i> Mathematics and Statistics Department | 2007 – 2013 |

EDUCATION

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| PHD, STATISTICS Utah State University | 2012 |
| MS, INSTRUCTIONAL TECHNOLOGY Utah State University | 2012 |
| MS, COMPUTER SCIENCE Lebanese American University | 2006 |
| BS, COMPUTER SCIENCE (MATHEMATICS MINOR) Lebanese American University | 2004 |

RESEARCH AND TEACHING INTERESTS

I am very passionate about:

- Statistical Computing
- Data Visualization
- Machine Learning
- Business Analytics

TECHNICAL SKILLS

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| STATISTICAL COMPUTING | R, SAS, Python, C, SQL, Assembly, HTML |
| STATISTICAL VISUALIZATION | ggplot2, ggmap, ggvis, shiny, and tableau |
| DATA CLEANING | dplyr, tidyr, lubridate, stringr, and rvest |
| ANALYTICS: | regression (linear, RF, LASSO, ect.), classification (logistic, DT, LDA, ect.), clustering (hierarchical and K-means), and resampling methods (cross validation and bootstrapping) |

TEACHING

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| UNIVERSITY OF SOUTHERN CALIFORNIA |
| <ul style="list-style-type: none">• Statistical Computing and Data Visualization (DSO 545)• Applied Modern Statistical Learning Methods (DSO 530) |

- Data Analysis for Decision Making (BUAD 425)
- Applied Business Statistics (BUAD 310)
- Internship in Data Sciences and Operations (DSO 595)
- Opportunity Recognition and Implementation (GSBA 535- online- analytics portion)
- Statistics in Everyday Life (GESM 160)
- Strategic Planning for Growth (GSBA 572- analytics portion)
- Evaluating Market Performance (GSBA 561- analytics portion)
- Problem Solving and Decision Making (GSBA 552- analytics portion)
- Consulting Project in Data Science (DSO 597)

UTAH STATE UNIVERSITY

- Statistics for Scientists (STAT 3000)
- Introduction to Statistics (STAT 1040)

SELECTED PUBLICATIONS

JOURNAL ARTICLES

- Sharif, A. and Symanzik, J. (2014). Visual Data Mining Techniques for Functional Actigraphy Data, Statistics in Medicine (submitted).
- Sharif, A., Symanzik, J., and Shannon, W. D. (2012). An Object-oriented Approach in R for the Visualization of Functional Actigraphy Data, Computing Science and Statistics, 41.
- Ding, J., Symanzik, J., Sharif, A., and Shannon, W. D. (2011). Functional Representation of Actigraphy Data, Chance, 24(3):3036.
- Kim, Y., Xu, B., and Sharif, A. Pedagogical Agents as Social Models in an Online Learning Environment MathGirls, International Transactions on Systems Science and Applications, 4(2), 99-106, 2008.
- Sharif, A. and Haraty, R. A. The Relationship between Using of an Intelligent Tutoring System and Class Achievement in a Basic Mathematics Course, iJET, 3, 20-23, 2008.

CONFERENCE PROCEEDINGS

- Sharif, A. and Symanzik, J. (2012). Graphical Representation of Clustered Functional Actigraphy Data, Joint Statistical Meeting, San Diego, CA.
- Sharif, A., Symanzik, J., and Shannon, W. D. (2010). An Object-oriented Approach in R for the Visualization of Functional Actigraphy Data, Computing Science and Statistics, Seattle, WA.
- Caswell, T. and Sharif, A. (2007). eduCommons in any Language. Open Education Conference 2007: Localizing and Learning, Logan, UT.
- Sharif, A. and Habre, S. (2006). Students Dependence on Calculators in a Freshman Level Basic Mathematics Course. International conference on the teaching of Mathematics at the undergraduate level, Istanbul, Turkey.

HONORS AND AWARDS

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| GOLDEN APPLE AWARD FOR EXCELLENCE IN TEACHING | 2015 |
| University of Southern California | |
| DISSERTATION RESEARCH AWARD | 2013 |
| American Statistical Association | |
| CITATION OF HONOR | 2013 |
| Utah Legislature | |
| ROBINS AWARDS - FINALIST - MAN OF THE YEAR | 2011 |
| Utah State University | |
| GRADUATE TEACHER OF THE YEAR | 2008 |
| Department of Mathematics and Statistics, Utah State University | |