CURRICULUM VITAE

KARTHIK SRINIVASAN
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RESEARCH INTERESTS	Healthcare information systems, Digital health, Network science, Statistical machine learning

EDUCATION

Eller College of Management, University of Arizona, Tucson, US
PhD(Major: MIS, Minor: Statistics)   Aug 2014 - May 2019 (Expected)
CGPA (till date): 3.88/4.00

Indian Institute of Science, Bangalore, India
Master of Management(Major: Business Analytics)   Aug 2011 - July 2013
CGPA: 6.6/8.0

Mumbai University, Mumbai, India
Bachelor of Engineering(Major: Electronics & Telecom) June 2005 - July 2009
Passing class: First class

REFEREED JOURNALS

Srinivasan K., Currim F., Ram S. "Predicting High Cost Patients at Point of Admission using Network Science". *Journal of Biomedical Health Informatics, 2017 (IF: 3.451).*

MANUSCRIPTS UNDER REVIEW

Lindberg C., **Srinivasan K.**, Gilligan B. et al. "Effects of office workstation type on physical activity and stress". *Occupational and Environmental Medicine.* (Revise and submit)

WORK IN PROGRESS

Srinivasan K., Currim F., Ram S. "Analyzing incomplete data using a simplified reduced modeling method". Targeted towards *Information Systems Research.* (Internal review)

Srinivasan K., Currim F., Ram S. et al. "Effect of Sound on Stress at Workplace - A Multivariate Bayesian Modeling Approach". Targeted towards *Management Science.* (Work in progress)

CONFERENCE PROCEEDINGS

Srinivasan K., Currim F., Ram S. et al. "Using digital health wearable devices to understand the relationship between sound levels and wellbeing: A segmented mixed-effects regression approach". *Proceedings of the 17th Annual Workshop on Information Technology, 2017.*

Srinivasan K., Currim F., Ram S. et al. "A regularization approach for identifying cumulative lagged effects in smart health applications". *Proceedings of the 7th International Conference on Digital Health, 2017.*

Srinivasan K., Currim F., Ram S. et al. "Feature importance and prediction modeling for multi-source healthcare data with missing values". *Proceedings of the 6th International Conference on Digital Health, 2016.* **(Best paper award)**

Srinivasan K., Ram S. "Indoor environmental effects on individual wellbeing". *Proceedings of the 6th International Conference on Digital Health, 2016.* (Extended Abstract)

Raturi V., **Srinivasan K.**, Narulkar G., Chandrashekharaiah A., and Gupta A. "Analyzing inter-modal competition between high speed rail and conventional transport systems: A game theoretic approach". *Proceedings of the 2nd Conference of Transportation Research Group of India, 2013.*

INVITED TALKS AND PRESENTATIONS

- Using digital health wearable devices to understand the relationship between sound levels and wellbeing: A segmented mixed-effects regression approach, Workshop on Information Technology, Seoul (Dec 2017).

- A regularization approach for identifying cumulative lagged effects in smart health applications, International Conference on Digital Health, London (Jul 2017).

- Knowledge discovery using Disease Comorbidity networks, INFORMS Annual Meeting, Nashville (Nov 2016).

- Feature importance and prediction modeling for multi-source healthcare data with missing values, International Conference on Digital Health, Montreal (Mar 2016).

- Data analysis with R *(one day workshop)*, Management Information Systems Graduate Association, University of Arizona, Tucson (Feb 2016).

- Data science and technical social networking *(invited talk)*, K J Somaiya College of Engineering, Mumbai (Jul 2015).

WHITE PAPERS

Ram S., **Srinivasan K.**, Chagarlamudi S. "Analysis of Chronic Disease Related Patient Visits in Arizona Hospitals". *Making Action Possible dashboard report, 2017.*

SELECTED GRADUATE COURSEWORK

Topics in information systems	Research methodology
Enterprise database management	Design Science Research Methodologies
Information systems analysis and design	Models for Quantitative Analysis
Business data communication and networking	Behavioral Research Methodologies
Readings in MIS	

Machine learning and data mining	Statistics
Web computing and mining	Theory of probability
Big data analytics	Theory of statistics
Statistical machine learning	Survival analysis
Advanced topics in computational intelligence	Multilevel modeling
Computational social science	Statistical computing

CERTIFICATES

Certificate in College Teaching (10-unit program) (Expected)   Jan 2018 - Dec 2018
Office of Instruction and assessment, University of Arizona

TEACHING	**_Primary instructional role:_**

MIS 331 - Database Management Systems   Fall 2017
Number of students: 59
Overall teaching effectiveness: 3.8/5.0

MIS 111 - Computers and Internetworked Society   Summer II 2016
Number of students: 17
Overall teaching effectiveness: 4.7/5.0

Teaching assistant:

MIS 587 - Business Intelligence (Online)
Spring 2016, Fall 2016, Spring 2017, Spring 2018

HONORS

- James F. LaSalle Teaching Excellence Award for exemplary student instructor (2017-2018)
- Best paper award in 6th International Conference on Digital Health (2016).
- Winner of _International students got talent, University of Arizona_ (2014).

RESEARCH GRANTS

- Arizona Making Action Possible Dashboard (AZMAP) white paper grant of $ 7500 (2017).
- Eller Small Grant Research data grant of $ 1000 (2016).
- Graduate and Professional Students Council (GPSC) research travel grants of $ 712.94 (2017).
- Graduate and Professional Students Council (GPSC) research travel grants of $ 750 (2016).
- Graduate and Professional Students Council (GPSC) research travel grants of $ 750 (2015).

MANUSCRIPT REVIEWING

European Conference on Information Systems ECIS (2018), BMJ Open (2018)

SERVICE

- Volunteer at International conference of information systems (2017).
- Proctor for department PhD qualifying exam (2016-17)
- College representative in Graduate and Professional Students Council (GPSC) (2016).
- Big brother at Tucson chapter of Big Brothers and Big Sisters of America organization (2016-17).
- Volunteer/co-Instructor for R workshops organized by non-profit organization - Software & Data Carpentry (2015-).

PROFESSIONAL MEMBERSHIPS

Association for Information Systems (AIS), Institute for Operations Research and the Management Sciences (INFORMS).

PROGRAMMING & TOOLS	R, Python, SQL, Spark, Cobol, MongoDB, Impala, Hive, Hue, Neo4j, SPSS, SAS, Gephi, Tableau, Atacama DQA, Google Analytics.

WORK EXPERIENCE

MIS department, Eller College of Management, University of Arizona
Research group: **INSITE** Center for Business Intelligence and Analytics
Role: Research Associate   Aug 2014-

Robert Bosch Engineering & Business Solutions Limited, India
Team: Data Analytics
Role: Data Modeler and Analyst   Aug 2013-July 2014

Accenture Services Private Limited, India
Project: Business Insurance
Role: Software Developer   Dec 2009-July 2011

Robert Bosch, India (*Intern*)
Team: Data Analytics   Jan 2013-June 2013

ICICI Bank, India (*Intern*)
Team: Business Intelligence Unit   May-Jun 2012

Bhabha Atomic Research Center, India (*Intern*)
Department: Nuclear Physics   Jun 2008-Jun 2009

REFERENCES

Sudha Ram *(Faculty Advisor)*   E-mail: ram@eller.arizona.edu
Anheuser-Busch Chair in MIS, Entrepreneurship and Innovation
Director - INSITE Center for Business Intelligence and Analytics
Department of Management Information Systems
Eller College of Management, University of Arizona

Susan Brown   E-mail: suebrown@eller.arizona.edu
McClelland Professor of MIS and Department Head
Department of Management Information Systems
Eller College of Management, University of Arizona

Daniel Zeng   E-mail: zeng@eller.arizona.edu
Gentile Family Professor of MIS
Department of Management Information Systems
Eller College of Management, University of Arizona