

CURRICULUM VITAE

KARTHIK SRINIVASAN
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RESEARCH INTERESTS	Healthcare information systems, Digital health, Network science, Statistical machine learning
EDUCATION	<p>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</p> <p>Indian Institute of Science, Bangalore, India Master of Management(Major: Business Analytics) Aug 2011 - July 2013 CGPA: 6.6/8.0</p> <p>Mumbai University, Mumbai, India Bachelor of Engineering(Major: Electronics & Telecom) June 2005 - July 2009 Passing class: First class</p>
REFEREED JOURNALS	<p>Srinivasan K., Currim F., Ram S. “Predicting High Cost Patients at Point of Admission using Network Science”. <i>Journal of Biomedical Health Informatics</i>, 2017 (IF: 3.451).</p>
MANUSCRIPTS UNDER REVIEW	<p>Lindberg C., Srinivasan K., Gilligan B. et al. “Effects of office workstation type on physical activity and stress”. <i>Occupational and Environmental Medicine</i>. (Revise and submit)</p>
WORK IN PROGRESS	<p>Srinivasan K., Currim F., Ram S. “Analyzing incomplete data using a simplified reduced modeling method”. Targeted towards <i>Transactions in Management Information Systems</i>. (Internal review)</p> <p>Srinivasan K., Currim F., Ram S. et al. “Effect of Sound on Stress at Workplace - A Multivariate Bayesian Modeling Approach”. Targeted towards <i>Information Systems Research</i>. (Work in progress)</p>
CONFERENCE PROCEEDINGS	<p>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”. <i>Proceedings of the 17th Annual Workshop on Information Technology</i>, 2017.</p> <p>Srinivasan K., Currim F., Ram S. et al. “A regularization approach for identifying cumulative lagged effects in smart health applications”. <i>Proceedings of the 7th International Conference on Digital Health</i>, 2017.</p> <p>Srinivasan K., Currim F., Ram S. et al. “Feature importance and prediction modeling for multi-source healthcare data with missing values”. <i>Proceedings of the 6th International Conference on Digital Health</i>, 2016. (Best paper award)</p>

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., Chandrashekharaiyah 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

Enterprise database management
Information systems analysis and design
Business data communication and networking
Readings in MIS

Research methodology

Design Science Research Methodologies
Models for Quantitative Analysis
Behavioral Research Methodologies

Machine learning and data mining

Web computing and mining
Big data analytics
Statistical machine learning
Advanced topics in computational intelligence
Computational social science

Statistics

Theory of probability
Theory of statistics
Survival analysis
Multilevel modeling
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: 3.79/5.00

MIS 111 - Computers and Internetworked Society

Summer II 2016

Number of students: 17

Overall teaching effectiveness: 4.69/5.00

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).

SERVICE

- Reviewer in European Conference on Information Systems (ECIS2018).
- 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, MC-Stan, 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 (*Internship*)
Team: Data Analytics Jan 2013-June 2013

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

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

REFERENCES Sudha Ram (*Dissertation 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

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

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