

CIS research seminar series presents:

Data Science Research Methodology

By:

Prof. Mehedi Masud

*Computer Science
Department, Taif University*



Men Campus: College Theatre



Feb 26, 2019



0540946629

Women Campus: Office of Vice
Dean, Women Section Third
Floor, Building B



11:30 – 12:30



cis_research@uqu.edu.sa

Data Science Research Methodology Prof. Mehedi Masud

Abstract

Data science is the study and application of large data analysis, mining and programming to reveal insights that can be used to communicate and capture intelligence for businesses and organizations. Over the last decades computing power and data access is increasing very fast. However, proper focus and methods to use the data within the decision making process is not applied properly, or we don't have a solid understanding of the questions being asked and how to apply the data correctly to the problem at hand. Therefore, the purpose of this talk is to share a methodology that can be used within data science, to ensure that the data used in problem solving is relevant and properly manipulated to address the question at hand. With this talk, we will learn: - The major steps involved in tackling a data science problem in research and the major steps involved in practicing data science, from forming a concrete business or research problem, to collecting and analyzing .data, to building a model, and understanding the feedback after model deployment.

Biography

Mehedi Masud is a Full Professor in the Department of Computer Science at the Taif University, Taif, KSA. Dr. Mehedi Masud received his Ph.D. in Computer Science from the University of Ottawa, Canada. His research interests include cloud computing, data science, distributed algorithms, data security, data interoperability, formal methods, cloud and multimedia for healthcare. He has authored and coauthored around 55 publications including refereed IEEE/ACM/Springer/Elsevier journals, conference papers, books, and book chapters. He has served as a technical program committee member in different international conferences. He is a recipient of a number of awards including, the Research in Excellence Award from Taif University. He is on the Associate Editorial Board of IEEE Access, International Journal of Knowledge Society Research (IJKSR), and editorial board member of Journal of Software. He also served as a guest editor of IEEE access, ComSIS Journal and Journal of Universal Computer Science (JUCS). Dr. Mehedi is a Senior Member of IEEE, a member of ACM.