



School of Computer Science

PhD Seminar 1

Tuesday May 15, 2018 at 10AM in J.D. MacLachlan Room 228
Factors Impact Cloud-based Big Data Analytics Adoption

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ABSTRACT:

There is overwhelming success using Cloud-based Big Data Analytics (C-BDA) by the business sector for cost reduction and effectiveness. This in turns makes a similar success for using C-BDA in the public education sector very possible. Although many cloud service providers offer tools such as Analytics-as-a-Service (AaaS), the education sector is impeded by several factors to accept and use it. Thus, the utilization of C-BDA and the capabilities it provides to higher education is still limited. For example, C-BDA and big data technologies, often require costly infrastructure and expert personnel for its life cycle management. And since many universities possess large volumes of structured and unstructured data, a common challenge is to find the most effective way to store and manage these data. The decision to immigrate data to the cloud to harness it, visualize it, and optimize it for its purposes of continuously delivering enhanced education, is clearly not a simple one.

For this seminar, we will begin by defining big data and C-BDA. We will also explore how C-BDA has been used so far in business and in the higher education sector to enhance learning and performance prediction. In addition, we will explore the opportunities and challenges surround BDA in this sector. Further, we will explore a brief summary of technology adoption models, and their applicability in the cloud and Big Data era, and discuss the goals to develop an adoption framework that deals with the factors of C-BDA adoption in public education.