

Department of Statistics & Data Science

Colloquium Series

Spring 2020

Speaker: Dr. Alexander Mantzaris

Title: Exploring online social processes through modelling, exploratory analysis and machine learning

Date: Friday, January 24th, 2020

Time: 11:00AM – 12:00PM

Location: Technology Commons II, Room 222

Abstract:

This talk will cover three separate pieces of work related to online social behavior that has been conducted in the last year. There will be three parts where the first part will go over a model produced that provides an explanation for the plausible incentives behind producing polarizing content on social media. It explores the winners and losers from a polarized dispute and proposes two inoculation strategies to return the network to a more uniform state. The second part will look at the work done on investigating the coverage of a relatively less well known social network VK. The third part will look at how LSTMs were used in spike prediction in social media activity and how fusing the data from multiple networks improved predictions supporting the hypothesis that users cross pollinate ideas between networks to produce activity spikes.

Notice to students: Please sign in at the event!