

Undergraduate Colloquium in Mathematics

Illinois State University

1:00–1:50 PM, September 16th, 2021

Speaker: Sunish Menon, StateFarm

The Science Behind Insurance

Abstract: This presentation will contain some general information about data science careers, especially in relation to insurance and actuarial science. I will share a high-level overview of how various industries are transforming through data. Industries today require foundational knowledge from various science fields. This is especially true when a large amount of data is generated from sensors (IoT) for business applications. For example, I will show how vehicle telematics is changing the traditional insurance pricing field into a multidisciplinary domain requiring math, physics, statistics, and computing skills.

Biography: Sunish Menon is an experienced data science leader, statistician, and physicist with a demonstrated history of innovation in the insurance industry. His career started in advanced physics research in quantum optics and college-level physics teaching. He later transitioned from academia into industry, working with some of the largest insurance analytics data at StateFarm Insurance. Over these years, he has been a key member of various high-profile research initiatives at StateFarm. His current expertise is in insurance rating plans, telematics, and design/build/implementing predictive analytics solutions. Sunish has various physics-related academic publications and is an inventor on 30 plus insurance-related patents.

This presentation will be on zoom and all are invited.

Meeting ID: 920 6165 3023

Passcode: isumath

