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## **Integration of Traditional and Telematics Data for Efficient Insurance Claims Prediction**

Thursday, October 5, 2023

3:30 p.m.

Marrs McLean Science Building 301

**Abstract:** While driver telematics has gained attention for risk classification in auto insurance, scarcity of observations with telematics features has been problematic, which could be owing to either privacy concern or favorable selection compared to the data points with traditional features.

To handle this issue, we propose a data integration technique based on calibration weights. It is shown that the proposed technique can efficiently integrate the so-called traditional data and telematics data and also cope with possible adverse selection issues on the availability of telematics data. Our findings are supported by a simulation study and empirical analysis in a synthetic telematics dataset.

**Bio:** Dr. Jeong is a Fellow of the Society of Actuaries (SOA) and holds a Ph.D. from the University of Connecticut. He has been actively involved in teaching and conducting research in actuarial science for several years. In recognition for his academic achievements and excellence, he has been awarded the James C. Hickman Scholarship from SOA recently in 2018-2020. His current research interest is predictive modeling for ratemaking and reserving of property and casualty insurance.

Please join us for refreshments in MMSci 176 at 3:00.