

# Colloquium Announcement

The [Department of Mathematics at Knox College](#) is proud to welcome Knox College student

## Elliot Bainbridge

from the Department of Economics, a candidate for a minor in Statistics.  
The title of his talk is



### Forecasting Tesla's Opening Stock Price using Advanced Statistical Model Building Techniques

This research uses advanced statistical model building techniques to forecast the opening stock price of Tesla, Inc., on 2 November 2020. Modelling techniques used include: multivariate linear models, exponential smoothing methods, ARIMA modelling, and Vector Auto-Regressive (VAR) models. Each method provides different ways to forecast the price of Tesla on that day.

Each model also gives some insight into stock prices. To determine which model was superior, the predicted and actual price of Tesla were compared. Surprising results arose. Come find out what they told us!

<b>Where:</b>	SMC A-204
<b>Simulcast:</b>	Online Zoom Room
	Meeting ID: 822 9193 1253
	Passcode: 530597
<b>When:</b>	Thursday, February 25, 2021
	4:00 – 5:00 pm