All, moderated by Petter Bøe Hørtvedt

Selection of the winning group proposal and activity in the new year

The two finalists are:

- Pomodoro Plan proposed by the Original Thesis Titans (#4)
- Hackathon proposed by The Forecasters (#8)

Hongpeng Zhang

Machine learning algorithms for fraud detection in the Nordic credit card market

Feedback by: Sushant Kumar Srivastava

Recently changed topic - no abstract or summary available so far.

Maryna Berg

Machine learning techniques on maintenance problems

Feedback by: Roy Granheim

The power grid is a critical system, on which both the population and the industry are dependent. For the power grid to function properly and avoid costly and undesirable downtime, maintenance systems must be in place. The maintenance is costly and demands a lot of resources. In the literature, predictive maintenance approaches have been applied to different spheres of life and various types of equipment. This work explores these methods and discusses how they might be deployed for power grid maintenance.

Vegard Molaug

Modelling dwell times in public transportation

Feedback by: Petter Bøe Hørtvedt

Traffic delays are a challenge for public transportation companies; they can stem from a variety of sources. There are different ways to approach the research topic of modelling traffic delays. The present work considers the contribution from dwell time (*i.e.*, how long the vehicle remains at a stop) to traffic delays for the use case of Ruter's urban bus travel. The target variable - dwell time - is modelled as a function of two exogenous variables, namely, the fill rate and the number of people boarding or leaving the vehicle.