

DS-670-Capstone: Big Data & Business Analytics

Lab 8: Liberty Mutual Event

March 10th 2017, Madhumita D

The event is centred on the idea of building smart cities using various innovative thoughts. Our guest speaker discussed how the innovation labs at Liberty Mutual work to involve novel contributions in their process of implementing smart cities.

Suggestions shared by the guest speaker towards my presentation:

Guest Speaker - The predicted returns for the small cap stock do not show much variation with the actual returns (bar chart), would you be looking into the volatility of these stocks and their relation to predicted returns of large cap stocks.

Me - Neural Networks model was used to predict these returns for both small and large cap stocks. Further analysis (time-series) on smoothing the weights from neural networks is being done to improve the model and the variation will be noted once this is completed.

Question asked during the session:

Me - Predicting claims is basically useful in insurance perspective for Liberty Mutual, what are the non-insurance services which will be covered later?

Guest Speaker – Services like computing safest route and deciding likely-neighbourhoods (less accident prone) are the non-insurance services which are presently being implemented at Liberty Mutual. For example Amazon delivery or UPS or hand-delivery does not always use cars as their transport, hence the safest route computation proves to be useful in such cases. While thinking about neighbourhoods, people do not consider an area with graffiti or less transportation facilities or no decent roads (more potholes) to be safe. In these cases providing them with a better neighbourhood options might reduce the claims by 10% (approximately) which helps the company's economy enormously.