Project Proposal

Machine Learning

Andrew Hoskins

February 15, 2019

Question: Can machine learning perform risk analysis on insurance policies? If an insurance company wanted to automate their policy review, could they use machine learning to do so?

Features: The project should contain the ability to take data for insurance policies and train for a model that would give a useful insight onto which insurance policies need to be reviewed with the policyholder. A good combination of data analysis and specifically training the machine to decipher the intricacies in which policies need to be reviewed is key to the project as a whole.

Output: a list of policies that the model says should be reviewed.

Data: My father’s company could provide me with mock data (he works in insurance).

Data2: <https://www.kaggle.com/uciml/caravan-insurance-challenge#caravan-insurance-challenge.csv> This dataset is not for current policyholders but potential ones. This project could be replanned to focus on data such as this if necessary.