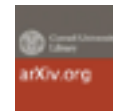


## Other Approaches



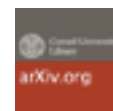
## Pattern Net



*PatternNet and PatternAttribution*

stat.ML (Oct 2017) by Kindermans et al

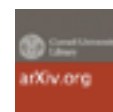
## Influence Functions



*Understanding Black-box Predictions via Influence Functions*

ICML (Jul 2017) by Wei Koh et al

## Explainable Soft Decision Tree



*Distilling a Neural Network Into a Soft Decision Tree*

ICML (Nov 2017) by Frosst et al



Loan Default Prediction - Imperial College London

Constructing an optimal portfolio of loans  
\$10,000 · 675 teams · 4 years ago

Overview

Data

Discussion

Leaderboard

Rules

Late Submission

Overview

Description

Evaluation

Prizes

Timeline

Winners

This competition asks you to determine whether a loan will default, as well as the loss incurred if it does default. Unlike traditional finance-based approaches to this problem, where one distinguishes between good or bad counterparties in a binary way, we seek to anticipate and incorporate both the default and the severity of the losses that result. In doing so, we are building a bridge between traditional banking, where we are looking at reducing the consumption of economic capital, to an asset-management perspective, where we optimize on the risk to the financial investor.

This competition is sponsored by researchers at Imperial College London.

Imperial College  
London

