

Capstone Three Project Proposal

I am going to attempt to use transfer learning from FastAi models to scan candlestick patterns of price data and see if the models are any good at predicting subsequent price behaviour.

I have been continuously downloading minute by minute price data on bitcoin, and also have daily data on many stocks and indices. I will try training the models on the 1 minute BTC data first, and then try a few different assets.

I will build a system to automate the calculation of the candlesticks from the price data, then expose the charts to pre-trained models from FastAi and see if they can accurately predict whether subsequent prices move up or down.