**Meeting 1: June 4th:**

AI big issue: Need to mix knowledge from different areas

e.g. Finance and Computer Science, Space and Computer Science, etc.

3 points to work on:

1. CandleStick patterns(will focus only on one:hammer)

**Math Modelling of it: need to find it (for next week)**

Excel for now, maybe Python later

1. Resistance and Support

Resistance is due to selling interest when prices have increased

Support: where a downtrend can be expected to pause due to a concentration of demand or buying interest

**Math modelling: need to find it!**

1. Indicators

Additions or overlays on the chart that provide extra info through math calculations on price and volume. Used to predict where the price is likely to go next

Need to be careful with it

**To do: Mathematic expression for MACD (Moving average Convergence Divergence)**

MACD can be very good if it’s mixed with another indicator

Orange? framework/UI for Data Analysis

1-3: Nazim, Sihab, Fred

2: Wentao, Jason

**Meeting 2:** June 9th

Naive Bayes: Inference technique

Conditional probability: probability of an event happening given another event has happened.

P(k|c) = P(k /\ c) / P(c)

Knowledge of what has happened change probability

p(c|X) = p(X|c) \* p(c) / p(X)

p(c|X): posteriori

p(X|c): likelihood

Naive Bayes Classifier

p(C|F1, F2, F3, … , FN) = p(C) \* p(F1, F2, …, FN| C) / p(F1,F2,...,FN)