

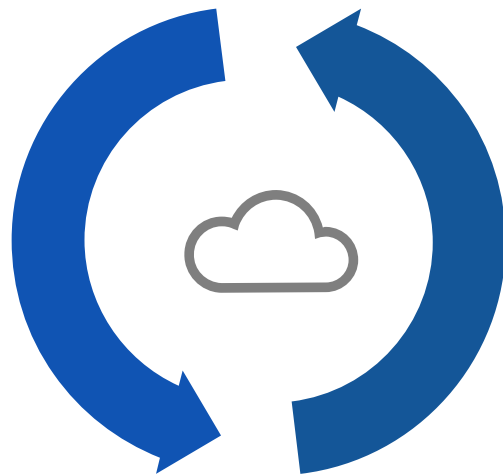


Finvestor

FINVESTOR

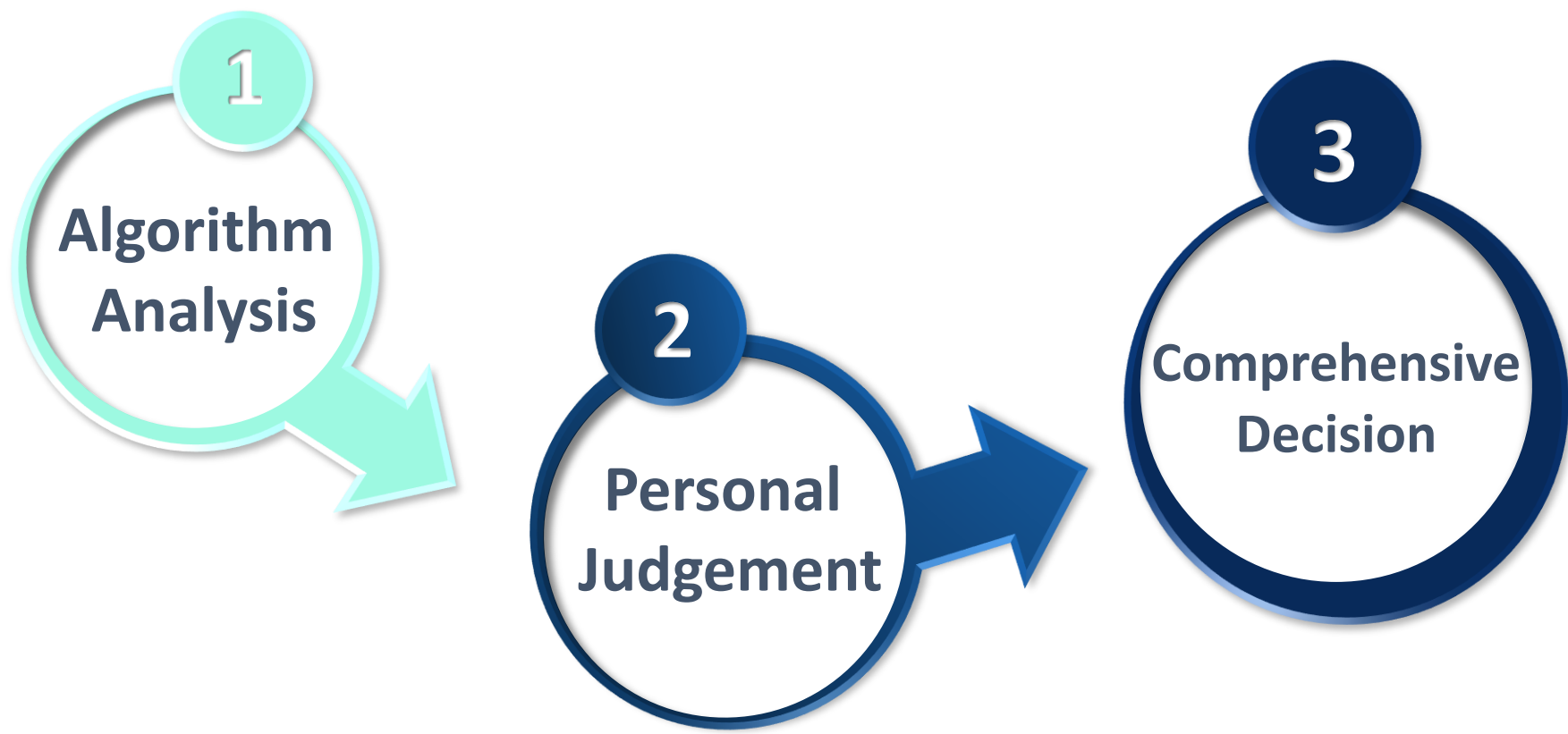
Fintech Investment Advisor:
An Intelligent Investment Analysis System

SWUFE & FINTECH80 CHENGDU



Industry ***Vs.*** ***Academia***

Decision-making Mechanism



**Give Interpretable
advice from the
data's point of
view**



Assist stock analysts in making comprehensive investment decisions

Functions

Recommendation

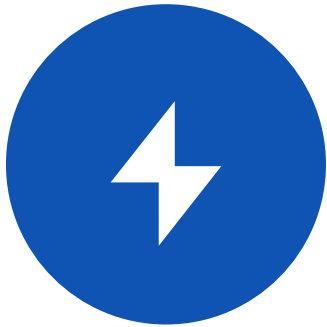
Relation



Prediction

Interpretation

Algorithms



ML



NLP



AHP

6 Factors



Sentiment Index



ROA



Traded Market Value



Total Assets Turnover



Liquidity Ratio



Turnover

Features

Concise UI design



Excellent visualization



Dynamic interface



Quick Respond





Demo

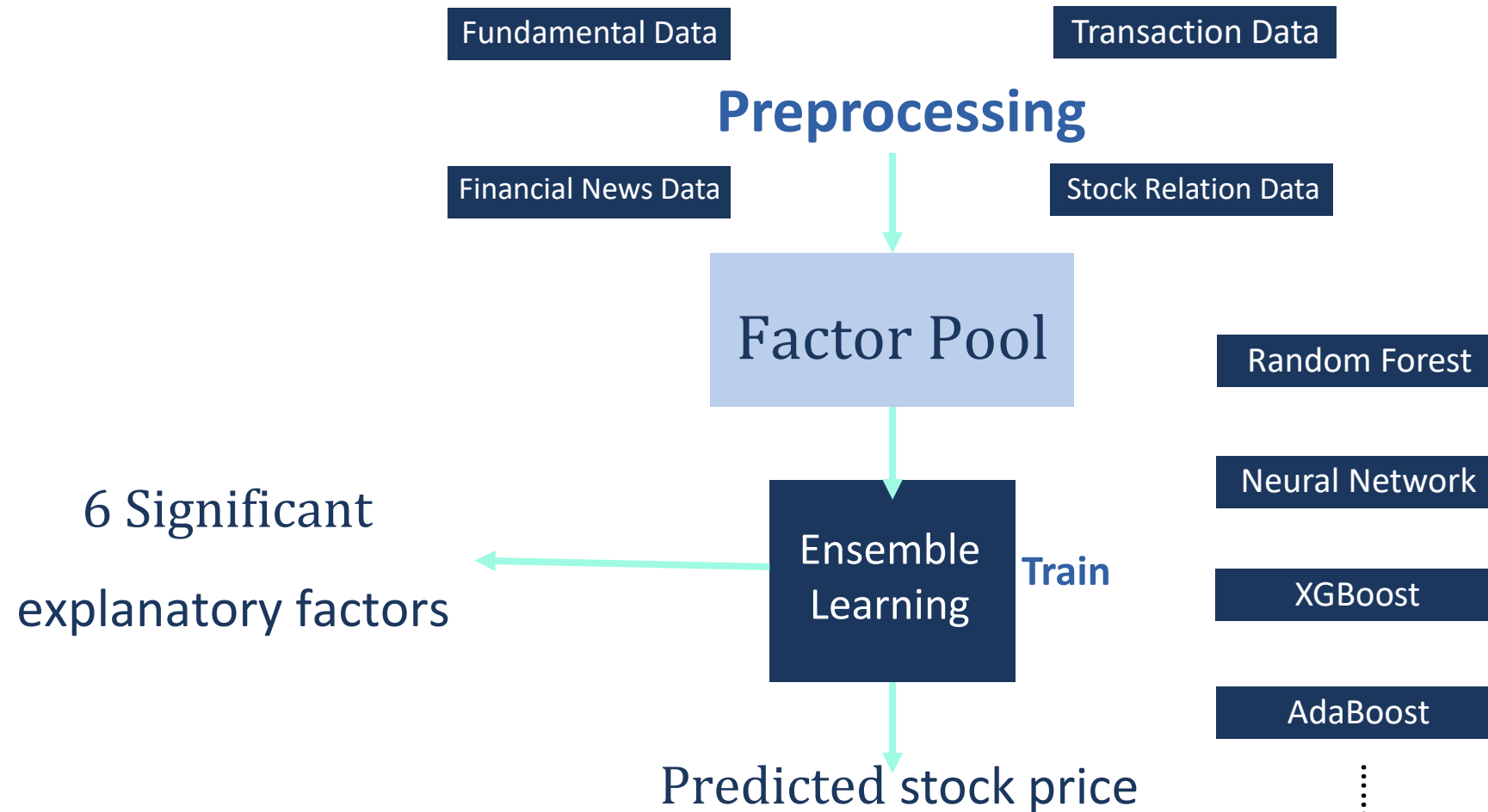
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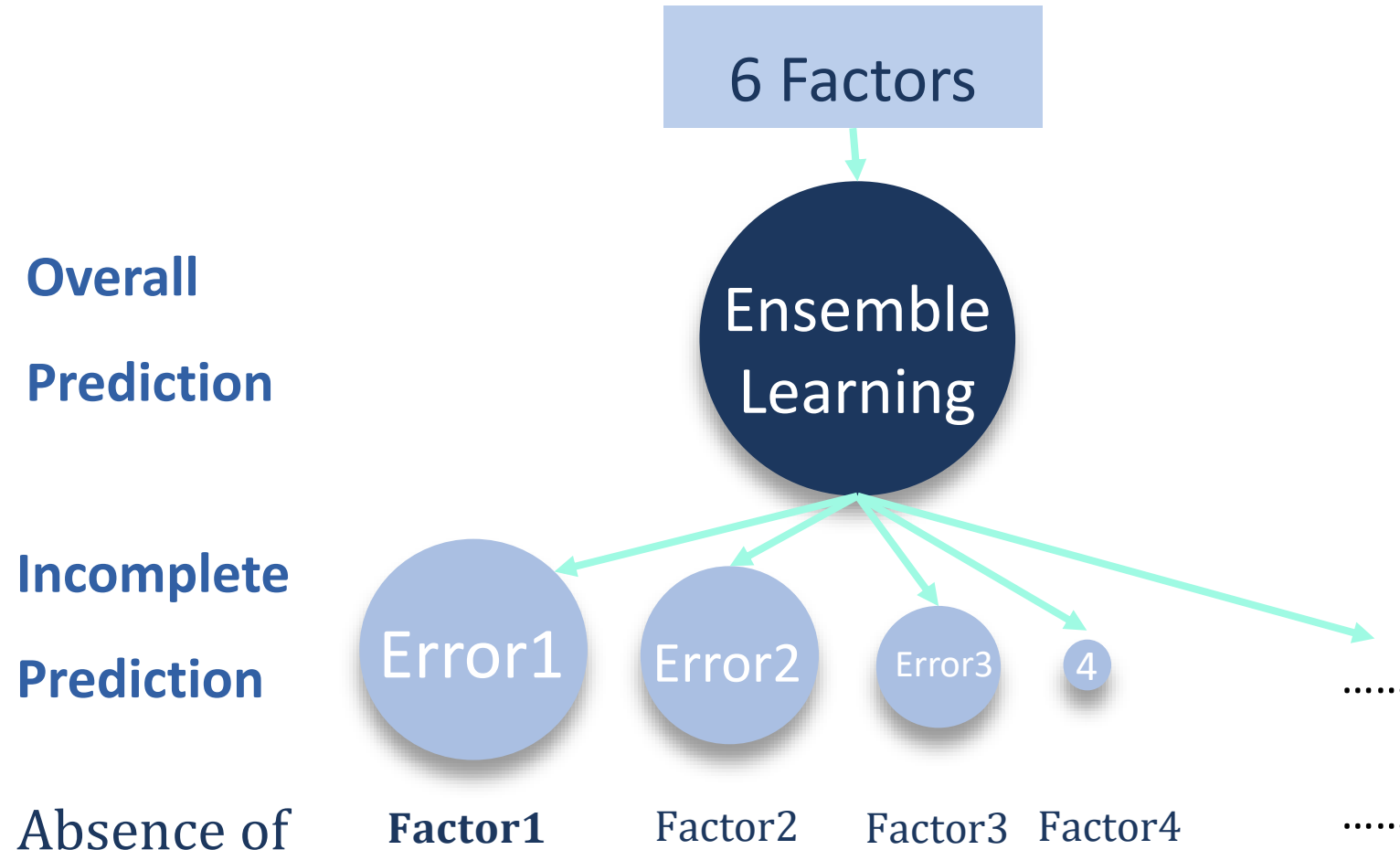
Models

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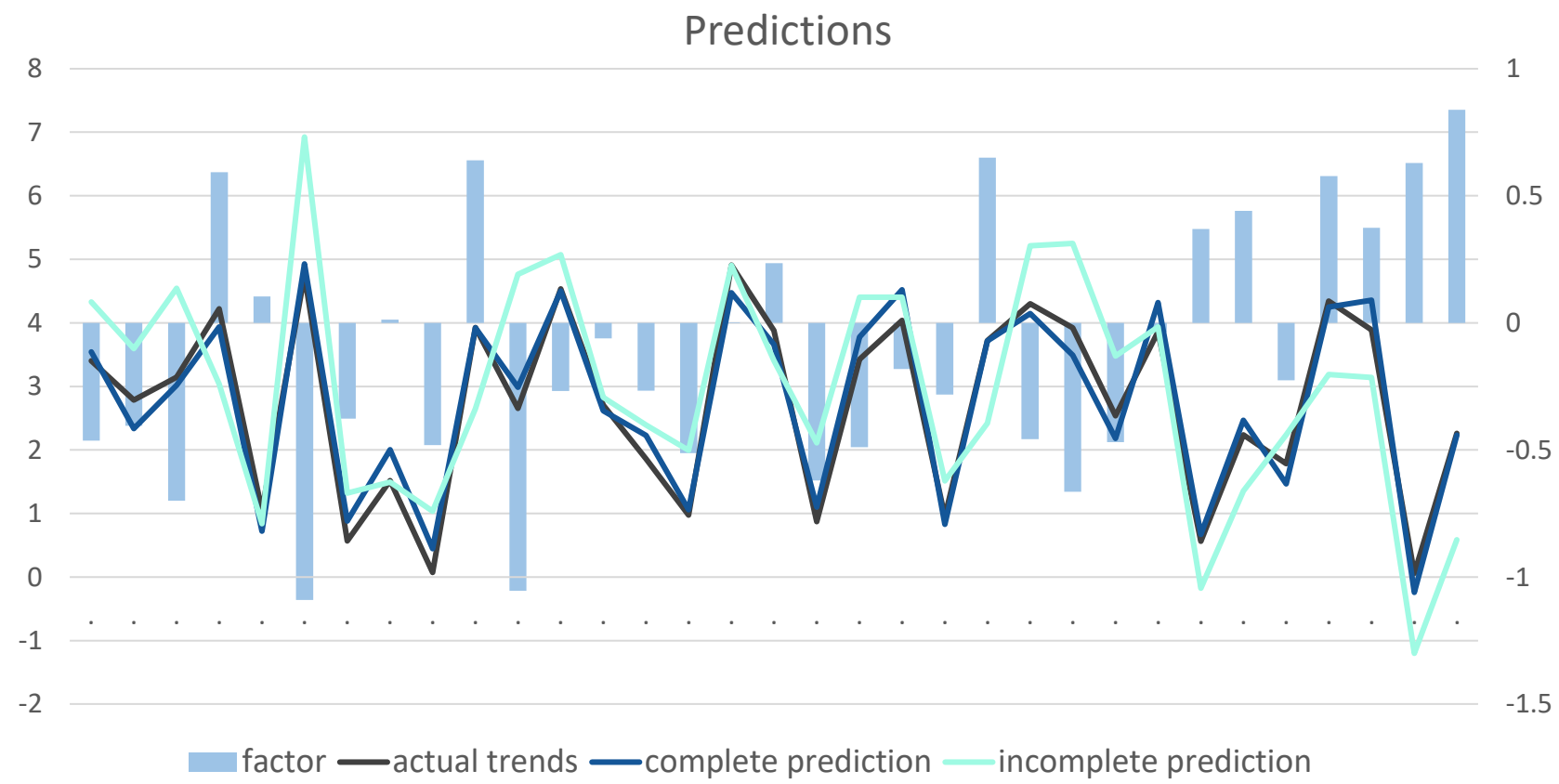
Prediction



Interpretation



Incomplete Prediction
complete Prediction
Actual trends
Factor



NLP



Sentiment Index & Correlation Data

Sentiment Index :

Gensim , NTLK

LSTM

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-- Istanbul Prices Increased 1.1% in December, Chamber Reports
-- By Benjamin Harvey
-- 2012-01-01T13:41:50Z
-- http://www.bloomberg.com/news/2012-01-01/istanbul-prices-increased-1-1-in-december-chamber-reports.html
Prices in Istanbul, Turkey 's biggest city, rose 1.1 percent in December from the previous month, the Chamber of Commerce said. Prices increased an annual 9 percent, the chamber said in a statement published today. Turkey's state statistics agency is to announce nationwide inflation data for December on Jan 5. To contact the reporter on this story: Benjamin Harvey in Istanbul at bharvey11@bloomberg.net To contact the editor responsible for this story: Gavin Serkin at gserkin@bloomberg.net
    
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- rose(1.1 percent)
- Prices increased

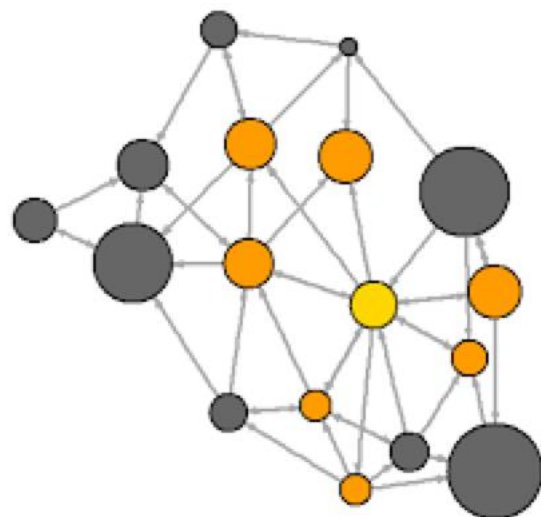
News Sentiment



Correlation Data:

PageRank

represent the accused competently." Jury selection is scheduled to begin on Jan. 23. AAPL is accused of defrauding investors who bought certificates of deposit issued by his Antigua-based Stanford International Bank. He has denied the charges. Laura Sweeney , a spokeswoman for ORCL Department, declined to comment on the lawyers' request, citing a court gag order barring lawyers from discussing the case. Stanford has been in federal custody since he was indicted in June 2009. Stanford's lawyers have complained since the first of the



- AAPL
- ORCL

Relation

Goal

Criteria

Alternatives



AHP

Judge the relative importance of the decision criteria and
calculate the weights

	Stock Price	Financial News	Industrial Relation	Weights
Stock Price	1	5	3	0.6273
Financial News	1/5	1	1/4	0.0937
Industrial Relation	1/3	4	1	0.2790

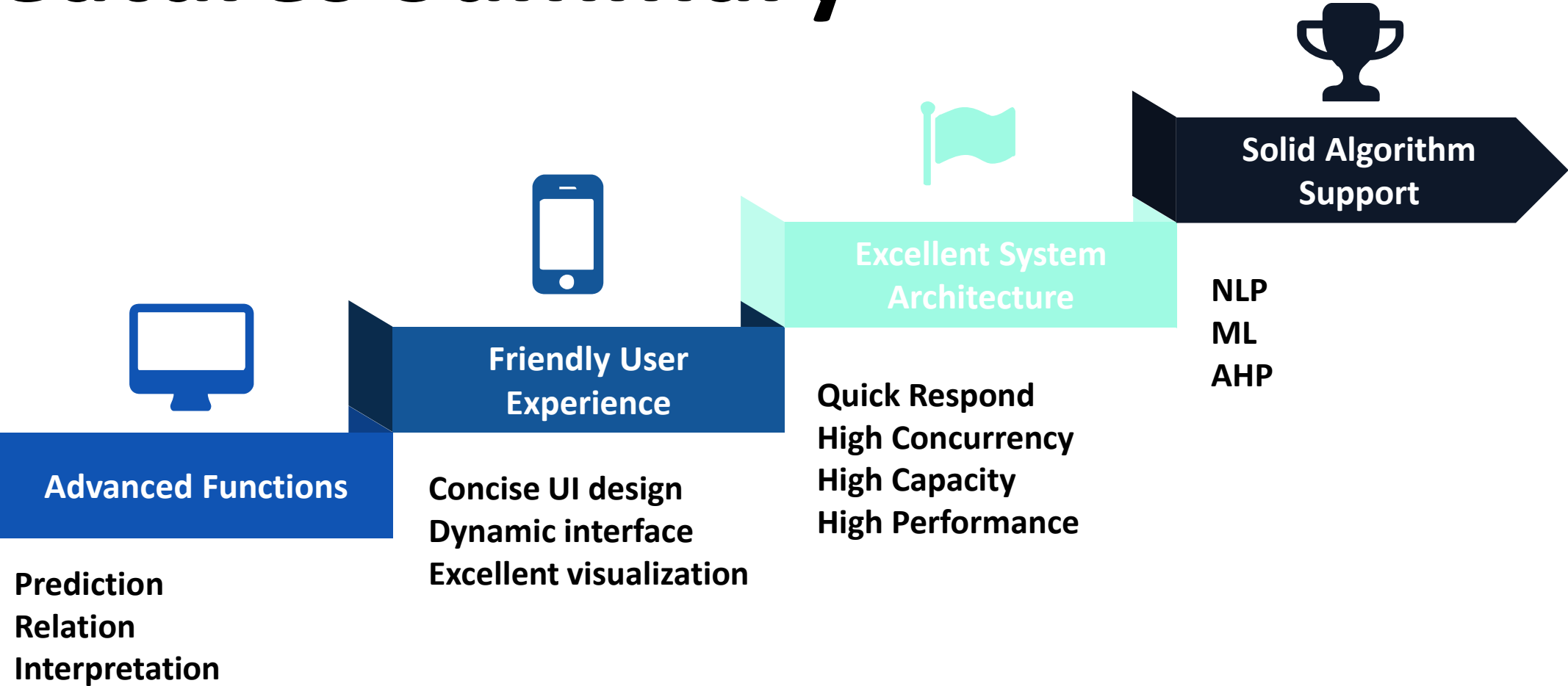
Criteria	Point
Stock Price	The Absolute Value Of Pearson Correlation
Financial News	The Frequency Of These 2 Firms Appearing In The Same News Article
Industrial Relation	Belong To The Same Industry: 1.0 Point
	Upstream And Downstream Firms: 0.8 Point
	Nothing At All: 0 Point



Summary

Fintech Investment Advisor:
An Intelligent Investment Analysis System

Features Summary



What's next?





The End

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