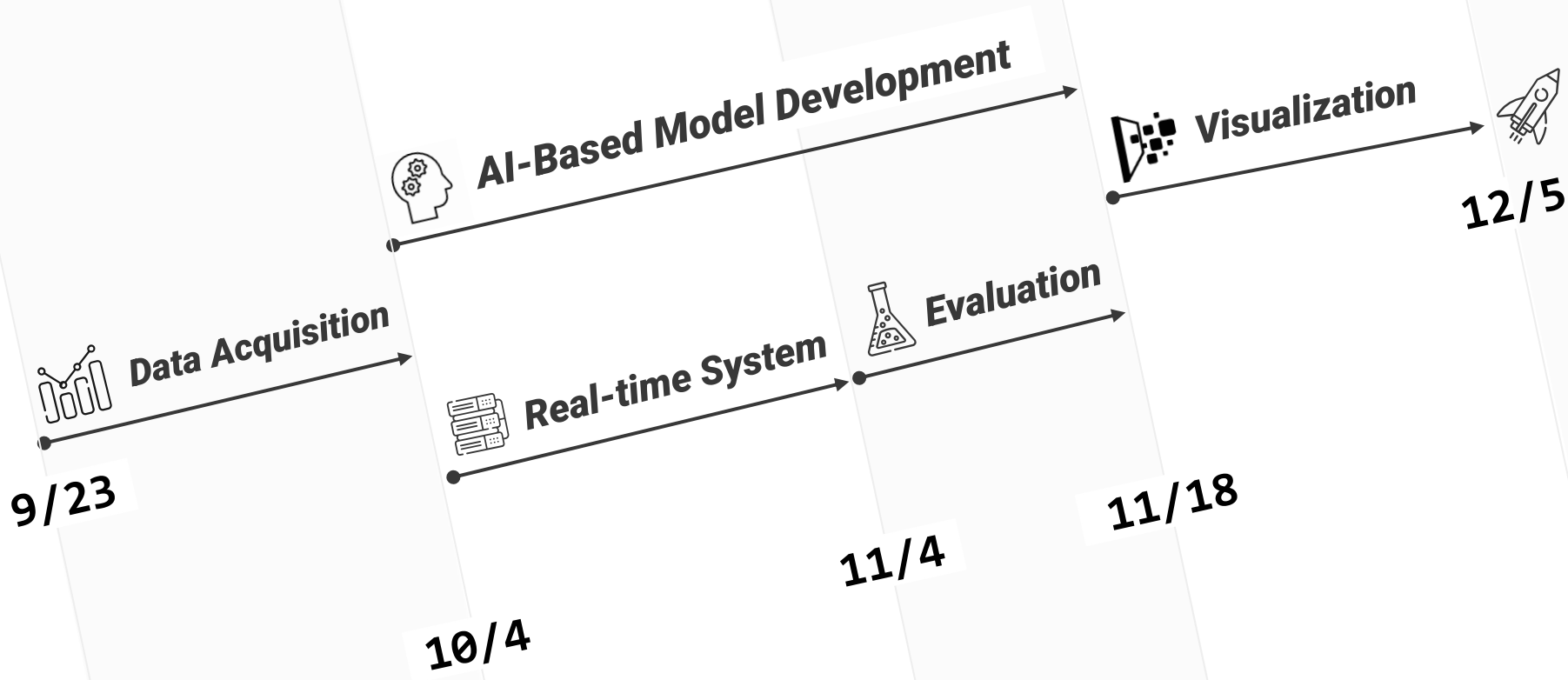




# Timeline





# Data Acquisition



kosdaq



kosdaq2



kospi



A000250.csv



A000440.csv



A001000.csv





# Data Acquisition (cont.)

- Stock Data Example

A000250.csv										
연결 앱										
날짜	시간	시가	고가	저가	종가	거래량	거래대금	누적체결매도수량	누적체결매수수량	
20200730	901	45200	45350	45200	45200	1153	52200000	57	1096	
20200730	902	45100	45200	45000	45050	648	29250000	436	1365	
20200730	903	45100	45250	45050	45050	2180	98494000	955	3026	
20200730	904	45100	45350	45100	45250	1174	53101000	1520	3635	
20200730	905	45250	45250	45200	45200	331	14964000	1736	3750	
20200730	906	45200	45300	45100	45300	2036	92014000	2158	5364	
20200730	907	45300	45350	45250	45350	925	41896000	2754	5693	
20200730	908	45300	45500	45300	45500	3975	180569000	3083	9339	
20200730	909	45500	45500	45450	45450	1139	51794000	4144	9417	
20200730	910	45400	45450	45200	45200	1102	49978000	4933	9730	

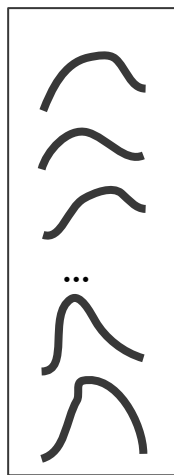


# AI-Based Model Development

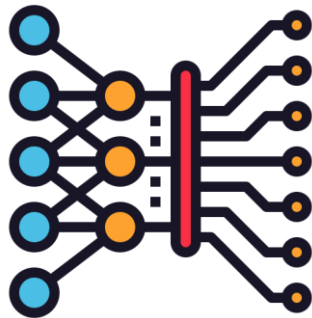
- This can be one of many examples.



Extract data of target  
shape *heuristically*



Collected Data



Deep Neural Network  
(1D CNN, GRU, Transformer ...)

Buy?

Based on the data given, the price  
will go up soon! 😊

Hold?

Based on the data given, the price  
will go down soon! Don't buy it. 😬



# AI-Based Model Development

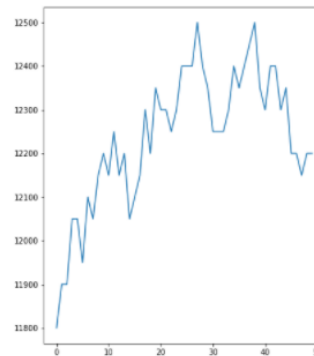
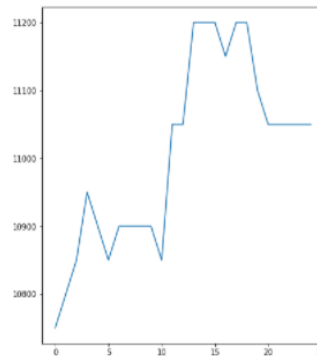
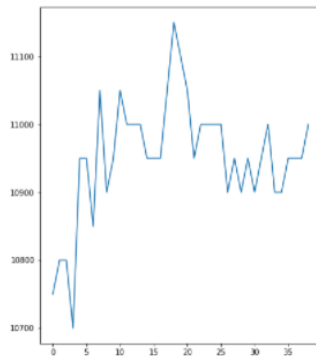
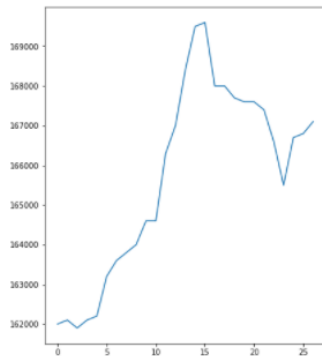
main ▾ coturnix / ctnx\_heuristics /

Go to file Add file ▾ ...

bansh123 initial strategy (heuristic approach) ... 20 minutes ago History

..




ctnx_heuristic1.ipynb	initial strategy (heuristic approach)	20 minutes ago
ctnx_heuristic2.ipynb	initial strategy (heuristic approach)	20 minutes ago





# AI-Based Model Development

main [cournix](#) / ctnx\_models / Go to file Add file ...

 bansh123	initial model (Simple 1d CNN) <span>...</span>	20 minutes ago	 History
..			
 ctnx_simple_model.ipynb	initial model (Simple 1d CNN)	20 minutes ago	

-> Too small data to train AI model.



Next steps :

1) Find better strategy : Autoencoder (Minseung Lee)

2) Build AI model (cont.) (Seonghyun Ban, Minseung Lee)

3) Develop Real-time System (Dongyoung Choi)

