

- Submission of Kairosis Paper I

- Management Science (Rejection)
- International Journal of Forecasting (Positive Outcome)
 - Resubmission deadline of November 30th
 - Making substantial progress on manageable revisions

- Obvious Kairosis Paper Follow Ups

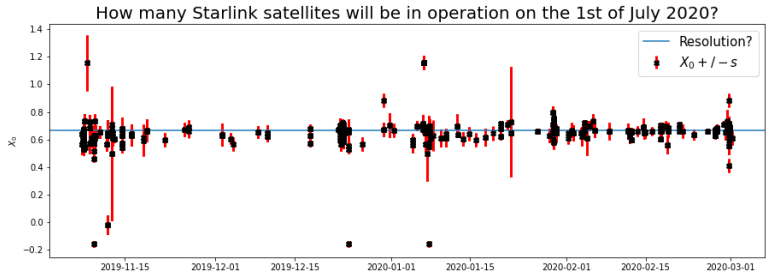
- Value of confidence in distribution forecasts
- Equity research analyst recommendations on FTSE 100

- Football Data Revisited

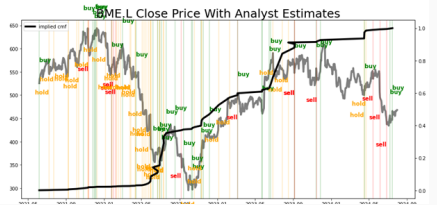
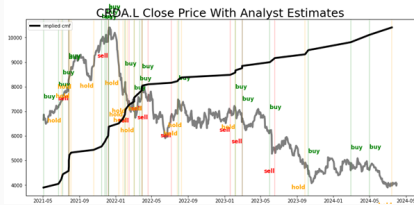
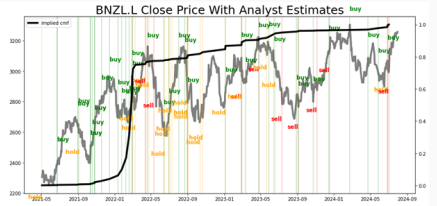
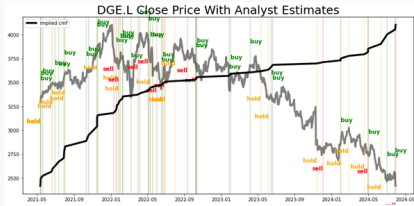
- How can I contribute to literature dominated by deep reinforcement learning?
- Reduce the dimensions of event transition matrix
- Evaluate if model performance differs when multiple events are combined

- General Revisions of Abstract and Introduction
- Promise to be extended outside probability forecasts $\in (0, 1)$
- Adaptive binning techniques
- Better explain parameter selection
- Adding standard deviations and increasing number of questions from 82 \rightarrow 660
- Simplified explanation with toy data.

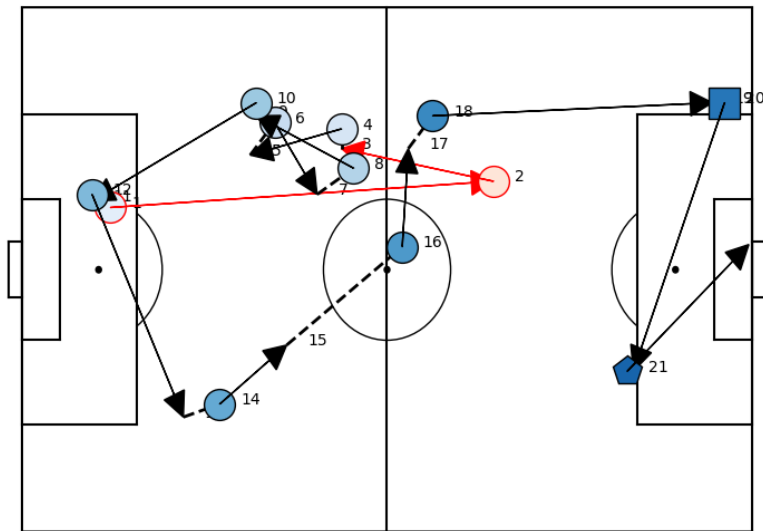
Distributional Forecasts



Equity Research



Football Data



Football Data

		Chelsea FCW 2 - 0 Opponent at 90 minute in Second Half																				
From	Chelsea FCW_Z_10	-0.2222	0.0000	0.0000	0.0000	0.0000	0.0278	0.1111	0.0000	0.0000	0.5833	0.0000	0.0000	0.0278	0.0000	0.0000	0.0278	0.0000	0.0000	0.0000	0.0000	
	Chelsea FCW_Z_2	-0.0000	0.5263	0.1053	0.0000	0.0000	0.0526	0.0000	0.0000	0.0000	0.0000	0.2632	0.0526	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
	Chelsea FCW_Z_3	-0.0000	0.0370	0.3333	0.0370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0370	0.5185	0.0370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
	Chelsea FCW_Z_4	-0.0000	0.0000	0.1091	0.4182	0.0000	0.0182	0.0182	0.0000	0.0000	0.0000	0.0000	0.0182	0.4182	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
	Chelsea FCW_Z_5	-0.0000	0.0328	0.0164	0.0000	0.4918	0.0328	0.0000	0.0000	0.0164	0.0000	0.0164	0.0000	0.0000	0.3443	0.0000	0.0164	0.0328	0.0000	0.0000	0.0000	
	Chelsea FCW_Z_6	-0.0000	0.0200	0.0000	0.0000	0.0400	0.4200	0.1000	0.0000	0.0000	0.0000	0.0000	0.0200	0.0000	0.0200	0.3000	0.0600	0.0000	0.0200	0.0000	0.0000	
	Chelsea FCW_Z_7	-0.0000	0.0000	0.0000	0.1094	0.0000	0.0469	0.4062	0.0000	0.0000	0.0156	0.0000	0.0312	0.0312	0.0000	0.0156	0.3438	0.0000	0.0000	0.0000	0.0000	
	Chelsea FCW_Z_8	-0.0000	0.0000	0.0000	0.0123	0.0370	0.0123	0.0000	0.4691	0.0123	0.0000	0.0000	0.0000	0.0000	0.0370	0.0000	0.0000	0.4074	0.0123	0.0000	0.0000	
	Chelsea FCW_Z_9	-0.0185	0.0000	0.0000	0.0185	0.0741	0.0185	0.0185	0.0370	0.2593	0.0185	0.0000	0.0000	0.0185	0.0370	0.0741	0.0185	0.0556	0.3333	0.0000	0.0000	
	opponent_Z_10	-0.1942	0.0000	0.0000	0.0000	0.0000	0.0000	0.0097	0.0000	0.0194	0.6699	0.0000	0.0000	0.0000	0.0000	0.0097	0.0194	0.0097	0.0680	0.0000	0.0000	
	opponent_Z_2	-0.0000	0.2727	0.0000	0.0000	0.0909	0.0000	0.0000	0.0000	0.0000	0.0000	0.4091	0.0000	0.0000	0.1364	0.0909	0.0000	0.0000	0.0000	0.0000	0.0000	
	opponent_Z_3	-0.0000	0.0000	0.1400	0.0400	0.0000	0.0200	0.0000	0.0000	0.0000	0.0000	0.0600	0.5800	0.0400	0.0400	0.0400	0.0200	0.0000	0.0200	0.0000	0.0000	
	opponent_Z_4	-0.0000	0.0000	0.0169	0.3220	0.0000	0.0169	0.0847	0.0000	0.0000	0.0169	0.0000	0.0169	0.4068	0.0000	0.0000	0.1017	0.0000	0.0169	0.0000	0.0000	
	opponent_Z_5	-0.0000	0.0000	0.0000	0.0000	0.2368	0.0132	0.0000	0.0395	0.0263	0.0132	0.0263	0.0000	0.0000	0.5000	0.0658	0.0000	0.0526	0.0263	0.0000	0.0000	
	opponent_Z_6	-0.0000	0.0000	0.0147	0.0000	0.0000	0.1912	0.0147	0.0147	0.0147	0.0294	0.0147	0.0000	0.0147	0.0588	0.5000	0.0588	0.0441	0.0294	0.0000	0.0000	
	opponent_Z_7	-0.0280	0.0000	0.0000	0.0093	0.0000	0.0280	0.1869	0.0093	0.0093	0.0093	0.0000	0.0000	0.0374	0.0000	0.0374	0.6075	0.0187	0.0187	0.0000	0.0000	
	opponent_Z_8	-0.0000	0.0000	0.0000	0.0000	0.0194	0.0000	0.0000	0.3204	0.0388	0.0194	0.0000	0.0000	0.0000	0.0194	0.0000	0.0000	0.5048	0.0777	0.0000	0.0000	
	opponent_Z_9	-0.0645	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484	0.4516	0.0645	0.0000	0.0000	0.0000	0.0000	0.0000	0.0161	0.0484	0.3065	0.0000	0.0000	
	Chelsea FCW_Goal	-0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
	opponent_Goal	-0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
			FCW_Z_10	FCW_Z_2	FCW_Z_3	FCW_Z_4	FCW_Z_5	FCW_Z_6	FCW_Z_7	FCW_Z_8	FCW_Z_9	ent_Z_10	ent_Z_2	ent_Z_3	ent_Z_4	ent_Z_5	ent_Z_6	ent_Z_7	ent_Z_8	ent_Z_9	FCW_Goal	ent_Goal

Next Six Months

- Completion of revisions for IJF
 - Deadline November 30th
- Complete analysis and write up results for both Kairosis methodology continuations
 - Before end 2024
- Complete and write up the results for football data
 - Strategize how to frame this research
 - Seems like a preprocessing of data concern
- GTA for Introductory Probability and Statistics