				133003
Sprint No & Ending Date	Status	Co	mments	
Sprint 1 : January 31 st – February 13th		Current PMO: Linh To		
Next Steps (Sprint Ahead)		Milestones	Due Date	Status
Research about potential models to use	se	EDA	Feb 1st	
·	ЛL	First simple model	Feb 10th	
 Have classification criteria Build a simple model (linear/logistic) 		Second model	Feb 20th	
		Refine models	Feb 27th	
		Mid-term presentation	March 4th	
	Sprint 1: January 31 st – February 13th Next Steps (Sprint Ahead) Research about potential models to use Research about labels for supervised Notes that the supervised Notes is the supervised Notes to use the supervised Notes is the supervised Notes in the supervised Notes is the supervised	Sprint 1 : January 31 st – February 13th Next Steps (Sprint Ahead) Research about potential models to use Research about labels for supervised ML Have classification criteria	Sprint 1 : January 31 st – February 13th Next Steps (Sprint Ahead) Research about potential models to use Research about labels for supervised ML Have classification criteria Build a simple model (linear/logistic) Current PMO: Linh To Milestones EDA First simple model Second model Refine models	Sprint No & Ending Date Status Current PMO: Linh To Next Steps (Sprint Ahead) Research about potential models to use Research about labels for supervised ML Have classification criteria Build a simple model (linear/logistic) Current PMO: Linh To Milestones Due Date EDA Feb 1st First simple model Feb 10th Second model Feb 20th Refine models Feb 27th

Significant

Issues

On Track

Complete

Legend:

Risks / Issues / Constraints	Mitigation Approach
Have limited knowledge about using models in financial context	Have a meeting in person to discuss and share research together

					issues
Project	Sprint No & Ending Date	Status	Co	omments	
Spinnaker	Sprint 2 : February 13th – February 20th		Current PMO: Linh To		
Accomplishments (Past Sprint)	Next Steps (Sprint Ahead)		Milestones	Due Date	Status
 First draft of the presentation slides done with explanation about the dataset, EDA, first model Researched more about the 2nd option to build a model, which includes removing industry effect (like SP500 data) to get the residuals, then using it as a 	Build VAR and ARIMA model time - series models, while building option 2 models	- series	EDA	Feb 1st	
		odels	First simple model	Feb 10th	
			Second model	Feb 20th	
			Refine models	Feb 27th	
signal			Mid-term presentation	March 4th	

Significant

Issues

On Track

Complete

Legend:

Risks / Issues / Constraints	Mitigation Approach
Issues with understanding the data, what to take as X and Y in the model	Have a meeting in person to discuss and share research together

				133463
Project	Sprint No & Ending Date State	us	Comments	
Spinnaker	Sprint 3 : February 20th – February 27th	Current PMO: Linh To		
Accomplishments (Past Sprint)	Next Steps (Sprint Ahead)	Milestones	Due Date	Status
Built basic VAR and ARIMA models • Prepare for midterm presentation	EDA	Feb 1st		
Work on midterm presentation and status report to	Consider how to make the presentation clear and meaningful and next steps ahead	lear First simple model	Feb 10th	
be submitted to Xi and Shawn for review and meaningful a		Second model	Feb 20th	
		Refine models	Feb 27th	
		Mid-term presentation	March 4th	
		Refine models	March 17th	
	Th	Third model	March 31st	
		Establish insights	April 14th	
		Prepare materials for fir	nal April 28th	
		Final presentation	May 9th	
			·	_

Legend:

Complete

Significant

Issues

On Track

Risks / Issues / Constraints	Mitigation Approach
Finding a common metric to compare between classification models and regression models	Talking with Shawn to brainstorm how to solve this problem

Risks / Issues / Constraints

Project	Sprint No & Ending Date Status	Co	omments
Spinnaker	Sprint 4 : February 27th – March 6th	Current PMO: Linh To	
Accomplishments (Past Sprint)	Next Steps (Sprint Ahead)	Milestones	Due Date Status
Finished slides and presentation	Reflect on past models and how to make	EDA	Feb 1st
Present midterm		First simple model	Feb 10th
	them betterContinue with work on approach 2, removing	Second model	Feb 20th
	effect of the economy through a proxy	Refine models	Feb 27th
		Mid-term presentation	March 4th
		Refine models	March 17th
		Third model	March 31st
		Establish insights	April 14th
		Prepare materials for final	April 28th
		Final presentation	May 9th

Significant

Issues

On Track

Mitigation Approach

Complete

Legend:

					133003
Project	Sprint No & Ending Date Sta	atus	Com	ments	
Spinnaker	Sprint 5 : March 21st - March 28th		Current PMO: Haiyuan Zhang		
Accomplishments (Past Sprint)	Next Steps (Sprint Ahead)		Milestones	Due Date	Status
 Turn time-series model predictions (VAR AND ARIMA) into classification labels to compare with the same Refine ARIMA model → explore ARIMAX to expand from univariate to multivariate by 	∢ to	EDA	Feb 1st		
	· ·		First simple model	Feb 10th	
metric across all models (with logistic classification model)	 analyzing more input variables in the model Standardize the train/test split process and use the same dataset for evaluation Continue refining sector rotation labels to eventually apply to models 		Second model	Feb 20th	
Completed label generation with removing the			Refine models	Feb 27th	
influence of the economy		to	Mid-term presentation	March 4th	
	eventually apply to models		Refine models	March 17th	
			Third model	March 31st	
			Establish insights	April 14th	
			Prepare materials for final	April 28th	
			Final presentation	May 9th	
					-

Legend:

Complete

Significant

Issues

On Track

Risks / Issues / Constraints	Mitigation Approach
	Research on how to apply ARIMAX and LSTM model

Project	Sprint No & Ending Date S	tatus	Con	nments	
Spinnaker	Sprint 6: March 28th - April 4th		Current PMO: Haiyuan Zhang		
Accomplishments (Past Sprint)	Next Steps (Sprint Ahead)		Milestones	Due Date	Status
Refined ARIMA model to SARIMAX to expand from	man medele man electrical and	EDA	Feb 1st		
univariate to multivariate by analyzing more input Removing Effect of Market Labels		First simple model	Feb 10th		
variables in the modelStandardized the train/test split process	s)	nong	Second model	Feb 20th	
Explored LSTM model and did initial implementation		ЮПБ	Refine models	Feb 27th	
(both with AssetEnds and labels as target variables)Generated additional labels for figure engineering			Mid-term presentation	March 4th	
Generated additional labels for figure engineering			Refine models	March 17th	
			Third model	March 31st	
			Establish insights	April 14th	
			Prepare materials for final	April 28th	
			Final presentation	May 6th	

Legend:

Complete

Significant

Issues

On Track

Risks / Issues / Constraints	Mitigation Approach
Testing models on all asset class and we might hit low accuracy	

Project	Sprint No & Ending Date Sta	tus	Com	ments	
Spinnaker	Sprint 7: April 4th - April 15th		Current PMO: Song Lin		
Accomplishments (Past Sprint)	Next Steps (Sprint Ahead)		Milestones	Due Date	Status
Decided to scrap the LSTM model due to constraints	of the dataset models	EDA	Feb 1st		
of the dataset			First simple model	Feb 10th	
 Tested DES method with predictions Ran model with Sector Rotation Label and 	 Interpret the results and explain what the results mean and what the tradeable sign 		Second model	Feb 20th	
Removing Effect of Market Labels	 Work on integrating results into a final report 		Refine models	Feb 27th	
	Work on presentation slides and posterFinish building the OOP codes for DES me	thod	Mid-term presentation	March 4th	
	 Implement DES method to identify tradable signals across the series instead of only making prediction at the end 	Refine models	March 17th		
			Third model	March 31st	
			Establish insights	April 14th	
			Prepare materials for final	April 28th	
		Final presentation	May 6th		

Significant

Issues

On Track

Complete

Legend:

Risks / Issues / Constraints	Mitigation Approach	

CURRENTLY IN PROGRESS

On Track

Complete

Legend:

At Risk

Significant

Issues

					issues
Project	Sprint No & Ending Date	Status	Comments		
Spinnaker	Sprint 7: April 15th - April 28th		Current PMO: Song Lin		
Accomplishments (Past Sprint)	Next Steps (Sprint Ahead)		Milestones	Due Date	Status
 Get an overall accuracy comparison among all models Interpret the results and explain what the results mean and what the tradeable signal is Work on presentation slides and poster Finish building the function codes for DES method Implement DES method with three kinds of intervals (1-month, 3-month, 6-month) to identify tradable signals across the series instead of only making prediction at the end 	Work on presentation slides and p	oster	EDA	Feb 1st	
	 Practice presentations 		First simple model	Feb 10th	
			Second model	Feb 20th	
			Refine models	Feb 27th	
			Mid-term presentation	March 4th	
			Refine models	March 17th	
			Third model	March 31st	
			Establish insights	April 14th	
			Prepare materials for final	April 28th	
			Final presentation	May 6th	