

Marks Available for "Just Following Orders"	80
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Section	Subsection	Requirement	Total Mark
Regression Algorithms			30

#### Multiple Linear Regression

Full analysis of multiple linear regression implemented on different stock prices	Estimating Regression Coefficients Variable selection Model fit
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#### Implement Regularization

Implementation of regularization algorithms (Lasso and Ridge)	Lasso Ridge Regression Elastic Net Optimisation of Tuning Parameter
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Model Selection	30
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#### Single Model Evaluation

Demonstration of model evaluation on different accuracy measures	Test Train Split Test MSE vs Train MSE R2, F - Tests, Adjusted R2, AIC, BIC Appropriate Test Statistics
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#### Final Model Selection

Optimized selection of final model across algorithms	Comparison of models on single metric Comparison of MLR to Regularisation techniques Overall model accuracy
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Documentation	20
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#### Documentation

Clearly outlining which models were implemented and the selection criteria used	Outline of models implementation and analysis done Summary of best model for each algorithm Discussion comparing the different techniques
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Additional marks available at your supervisor's discretion for creative problem solving	20
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Your supervisor has discretion to award additional marks to GATHER, ANALYSE, VISUALISE and COMMUNICATE where your submission shows a creative solution to the problem statement

Marks Available for "Just Following Orders"			80
Section	Subsection	Requirement	Total Mark
Technical			40
	Relevant datasets and correct design		
	Info on all datasets which are linked correctly	stock prices	
		fundamentals	
		futures prices	
		interest rates	
		stock prices and fundamentals linked	
		date table for all datasets	
	Correct Measures		
	Correctly calculated fundamental ratios	ROE (annualised)	
debt to equity			
current ratio			
net profit margin			
Filters, overview and detailed page			
Inclusion of filters. Dashboard should also include one overview page (all datasets) and one page with fundamental ratio details	Company filter		
	date filter		
	overview page (all datasets)		
	page with fundamental ratios		
Visual			40
Intuitive grouping of data			
Appropriate grouping of data on overview page	split by stock prices		
	fundamentals		
	market expectations (futures prices)		
	external factors (interest rates)		
Relevance and formatting of visuals			
Correct visuals for conveying information	Single number summary statistics		
	Line graphs over time for share price, market expectations and external factors		
	Bar graphs of fundamental ratio		
	Other appropriate graphs of data		
	Titles, legends, colours, font size, number formats, axes and data labels all used		
Overall look and feel			
Overall impression of the look and feel of the dashboard, including appropriate alignment and spacing	Overall impression of the look and feel of the dashboard		
	Graphics aligned with appropriate spacing		
Additional marks available at your supervisor's discretion for creative problem solving			20
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Marks Available for "Just Following Orders"			80
Section	Subsection	Requirement	Total Mark
Answer the Question			35
Presentation Structure			
	Articulate pitch of your solution to investors, including live demo	Problem Statement Articulation of Hypothesis (MECE) Clear storyline	
Quality of answer			
	Product solution addresses the common pros/cons of classification modelling	Answered the question that was asked? Correct methods used Graphical Illustration of models Technical concepts clearly explained	
Presentation Skills			45
Presentation Style			
	Presentation facilitates the flow of discussion with visuals used to drive home key messages	Presentation aids clarity of key points Consistent formatting Use of appropriate visuals	
Communication			
	Good, clear confident presentation to wow these investors	Clarity of speech Time management Answering of questions	
Additional marks available at your supervisor's discretion for creative problem solving			20
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