## OCOM5100M-Programming for Data Science

## Summative Assessment 2 – Marking Scheme

Project Plan						
	Fail	Pass	Merit	Distinction		
Description	The dataset and title	The connection	Clear connection	Strong and clear		
of Data	connection is	between dataset and	between dataset and	connection between		
	unclear. The source	title is somewhat	title. The source of the	dataset and title. The		
	of the dataset is	clear. The source of	dataset is explained	source of the dataset is		
	missing or very	the dataset is	with some detail.	thoroughly explained.		
	vague. Minimal or	mentioned but lacks	Detailed description of	Comprehensive		
	no description of the	detail. Basic	the dataset. Good	description of the dataset.		
	dataset. No comments on	description of the dataset is provided.	comments on accuracy and reliability. Detailed	Insightful comments on accuracy and reliability.		
	accuracy, reliability,	Some comments on	discussion on data	Extensive discussion on		
	quality, or usability	accuracy and	quality, usability, and	data quality, usability,		
	of data.	reliability, and basic	presentation, including	and presentation,		
	or data.	discussion on data	missing values and data	addressing all relevant		
		quality and usability.	types.	aspects comprehensively.		
Overview of	Context and	Basic context and	Clear context and	Detailed context and		
Aims	motivation are	motivation are	motivation are	strong motivation are		
7 111113	unclear or missing.	provided. A sufficient	provided. A good	provided. An appropriate		
	Objectives are	number of specific	number of specific,	number of specific, clear,		
	either too few or too	objectives are present,	clear objectives are	and well-defined		
	vague. Objectives	though they may lack	present. Objectives are	objectives are present.		
	are not	clarity. Objectives are	appropriately	Objectives are both		
	appropriately	somewhat challenging	challenging and	challenging and		
	challenging or	and achievable.	achievable.	achievable,		
	achievable.			demonstrating a high		
	77	77	77	level of ambition.		
System	Key components are	Key components are	Key components are	Key components are		
Design	not described or are	described at a basic	well described,	comprehensively		
	very vague. The pipeline is not	level. The pipeline is described but may	including purpose and challenges. The pipeline	described, including detailed purpose and		
	described or lacks	lack detail or clarity.	is clearly described,	challenges. The pipeline		
	coherence. No	Basic diagram or	showing how	is thoroughly described,		
	diagram or poorly	structured explanation	components work	with clear and detailed		
	structured	of architecture is	together. Good diagram	explanation of how		
	explanation of	provided.	or well-structured	components work		
	architecture.	<b>F</b>	explanation of	together. Excellent		
			architecture is provided.	diagram or highly		
			r	structured explanation of		
				architecture is provided.		
		Program Co	ode			
	Fail	Pass	Merit	Distinction		
Program	Imported	Imported	Imported	Imported		
Code	packages/modules	packages/modules are	packages/modules are	packages/modules are		
(Structure	are not used	used appropriately in	used appropriately	used excellently.		
and	appropriately. Error	some instances. Basic	throughout. Good error	Excellent error handling		
	handling and	error handling and	handling and exception	and exception handling		
Readability)	exception handling	exception handling	handling are present.	are present. Code is very		
	are absent or	are present. Code is	Code is well-organized,	well-organized, with		
	minimal. Code is	somewhat organized,	with good use of	extensive use of		
	poorly organized,	with basic use of	functions/classes. Good	functions/classes,		
	with minimal use of	functions/classes.	comments within code.	avoiding overly complex		
	functions/classes.	Some comments	Good naming choices	and long lines of code.		
	Minimal comments	within code are	for variables and	Excellent comments		
	within code. Poor	present. Acceptable	functions. Detailed	within code. Excellent		
	naming choices for	naming choices for	written explanations of	naming choices for		
	variables and	variables and	code cells and outputs	variables and functions.		
	functions. Written	functions. Written	are present. Code	Highly detailed and informative written		
	explanations of code cells and	explanations of code cells and outputs are	quality and variety are good.	explanations of code		
	outputs are lacking	present but may lack	good.	cells and outputs are		
	outputs are facking	present out may lack	I	coms and outputs are		

	or very unclear.	detail. Code quality		present. Code quality and		
	Code quality and	and variety are		variety are excellent.		
	variety are poor.	acceptable.		,		
Project Outcome, Presentation, and Conclusion						
	Fail	Pass	Merit	Distinction		
Explanation	Overview of results	Basic overview of	Good overview of	Detailed overview of		
of Results	is missing or very	results is provided.	results is provided.	results is provided. All		
	unclear. Objectives	Some objectives are	Most objectives are	objectives are discussed		
	are not discussed.	discussed but may	discussed clearly. Good	thoroughly. Excellent		
	Explanation of	lack clarity. Basic	explanation of	explanation of		
	visualizations is	explanation of	visualizations. Good	visualizations. Excellent		
	minimal or unclear.	visualizations.	overall quality of	overall quality of		
	Poor overall quality	Acceptable overall	communication.	communication.		
	of communication.	quality of				
		communication.				
Visualization	Minimal or no	Basic visualizations	Good variety of	Excellent variety of		
of Results	visualizations.	are provided.	informative and	highly informative and		
	Visualizations are	Visualizations are	appropriate	appropriate		
	not informative or	somewhat informative	visualizations. Good	visualizations. Excellent		
	appropriate. Poor	and appropriate.	labelling and scaling of	labelling and scaling of		
	labelling and	Acceptable labelling	figures.	figures.		
	scaling of figures.	and scaling of figures.				
Conclusion	Achievements and	Basic discussion of	Good discussion of	Detailed discussion of		
and	limitations are not	achievements and	achievements and	achievements and		
Presentation	discussed. Future	limitations. Future	limitations. Future work	limitations. Future work		
	work is not	work is mentioned but	is discussed in some	is discussed		
	mentioned. Report	lacks detail. Report	detail. Report and video	comprehensively. Report		
	and video	and video	presentation are well-	and video presentation		
	presentation are	presentation are	organized.	are excellently organized.		
	poorly organized.	somewhat organized.				
Resit Only						
	Fail	Pass	Merit	Distinction		
Data Analysis	Rationale for	Basic rationale for	Good rationale for	Comprehensive rationale		
Rationale	selecting data	selecting data analysis	selecting data analysis	for selecting data		
Rationale	analysis method is	method is provided.	method is provided.	analysis method is		
	unclear. Alternative	Some consideration of	Detailed consideration	provided. Thorough		
	approaches are not	alternative	of alternative	consideration of		
	considered.	approaches.	approaches.	alternative approaches.		
		**		**		
Data	Reasons for	Basic reasons for	Good reasons for	Comprehensive reasons		
Visualization	selecting data	selecting data	selecting data	for selecting data		
Rationale	visualizations are	visualizations are	visualizations are	visualizations are		
- Autonaic	unclear. Alternative	provided. Some	provided. Detailed	provided. Thorough		
	methods are not	consideration of	consideration of	consideration of		
	considered.	alternative methods.	alternative methods.	alternative methods.		