

University of Ottawa
School of Electrical Engineering and Computer Science
ELG7186 AI for Cybersecurity Applications 2023
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Marking Guidelines

Assignment 3

Task 1 Static model	Points
Code is understandable and clean	2.5
Validate data imbalanced with justifications	2.5
Statistical analysis of data	5
Data Cleansing and Feature creation	5
Feature Filtering with more than 2 methods	5
Data Splitting and justification	2.5
Choose and justify the correct performance metric	7.5
Hyperparameter tuning is correct and clear	5
Compare and describe the two models you will use	5
Plot the models' results	2.5
Discuss and analyze the results	7.5

Task 1 sub total:	50
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Task 2 Dynamic model	Points
Code is understandable and clean	2.5
Windows use 1,000 datapoints	2.5
Training reevaluation process is clearly described	5
Correct performance metrics are selected and justified	5
Static and Dynamic models are evaluated	5
Plot the results obtained for both models	7.5
Analyze the results obtained for both models	10
Advantages/limitations and knowledge learned is clear and correct	10
Report is less or equal to 5 pages (not considering appendix), has less than 5 grammar/spelling mistakes	2.5

Task 2 sub total:	50
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Total:	100
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*Note: Please do not share code/report with your classmates. A plagiarism check will be done for the same. You are allowed to share ideas with each other though. Also make sure that your report does not have any grammatical errors.