Python Machine Learning (CSCI 425)
Student Showcase (Final Project) Rubric

Project Title: Malware Analysis Using ML Methods to Classify Malware and Malware Type

Team Members:
Abraham Avila, Iclaus kins

Evaluator: Jeremy Bergen

Instructions:

1. For each requirement, use 0.0 - 5.0 scale in the Score column (0 - Fail, 1 - Needs improvement, 2 - Poor, 3 - Fair, 4 – Good, 5 is Excellent)

Criteria	Score (1-5)
1. Problem Understanding	
a. Clearly defined problem statement.	5
b. Understanding of the domain and context	5
2. Data Preprocessing	
a. Data cleaning and handling missing values	5
b. Feature engineering and selection	5
c. Data normalization and scaling	4
3. Model Selection and Evaluation	
a. Selection of appropriate ML algorithms	5
b. Model training and tuning	4
c. Evaluation metrics and performance analysis	4
4. Creativity and Innovation	
a. Novelty and originality of approach	4
b. Exploration of advanced techniques (Deep Learning, e.g.)	3
5. Presentation	
a. Quality of visualizations and insights	5
b. Ability to communicate results effectively	5
Final Score	55

General Feedback:

92

95%

(1)

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Student Showcase (Final Project) Rubric

Project Title: Malware Analysis: Using Machine Learning Methods to Classify Malware and Malware Type

Team Members: Abraham Avila, Nicholas

Evaluator: Clayton Johnson

Instructions:

1. For each requirement, use 0.0 - 5.0 scale in the Score column (0 - Fail, 1 - Needs improvement, 2 - Poor, 3 - Fair, 4 – Good, 5 is Excellent)

Criteria	Score (1-5)
1. Problem Understanding	
a. Clearly defined problem statement.	5
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2. Data Preprocessing	
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4. Creativity and Innovation	
a. Novelty and originality of approach	3
b. Exploration of advanced techniques (Deep Learning, e.g.)	4
5. Presentation	
a. Quality of visualizations and insights	4
b. Ability to communicate results effectively	4
Final Score	47

General Feedback:

.7%