

ASSESSMENT CRITERIA

The assignment will be assessed by peer review. The form will be made available directly after the assignment deadline.

Knockout criteria (will not be evaluated if unsatisfied):

Your code needs to execute successfully on computers/laptops of your fellow students (who will assess your work). You may assume the availability of 4GB RAM and a Linux operating system, possibly a virtual machine. Please test your code before submitting. In addition, the flow from data to prediction has to be highlighted, e.g., using inline comments.

Your report needs to satisfy the page limit requirements for the different parts. When working in a data analysis notebook, you have to copy and paste the text and results into a printable document satisfying the requirements. Submissions submitted after the deadline will not be graded.

The report/code will be assessed using these criteria:

Criteria	Description	Evaluation
Sampling	Implemented correctly, explanation accurate	0-5 points
Sketching	Implemented correctly, analysis, and	0-5 points
	evaluation are sound	
Discretization	The discretization is sound. The relevance and	0-5 points
	behavior are analyzed and explained clearly.	
Profiling	Probabilistic model is correctly implemented	0-5 points
	and evaluated.	
Insight	Interesting behavior is discovered in the flows	0-5 points
	coming from the infected machine. Malicious	

	behavior is reflected in the learned profile.	
Bonus	Correctly implemented machine learning	0-5 points
	method and sound comparison and conclusion.	
Report and code	The data-detection flow is clearly described,	0-5 points
	including preprocessing and post-processing	-
	steps.	

Your total score will be determined by summing up the points assigned to the individual criteria, and averaging to account for the number of peer reviews. In total 35 points can be obtained in each course assignment, the total number of obtained points will be divided by 90 to determine the final grade. In case one of the reviews is significantly worse than (at least 10 points difference) the others, this review score is not taken into account.

You will receive a penalty of 5 points for each peer review not performed. Significantly different reviews will be subject to investigation. If deemed badly done by the teacher or TA, you will also receive 5 penalty points.