

# CPSC436/536 Project1 – Rubric (see attached AML\_P1\_evaluator.jpynb)

Name: \_\_\_\_\_  
Date and time received: \_\_\_\_\_  
Late penalty (10% per day): \_\_\_\_\_

Score: \_\_\_\_\_/\_\_\_\_\_  
(on time, midnight Monday, Feb 19)

## Part 1: kNN (10pts)

- Your Jupyter notebook for kNN - working and looks good (2pts)
- Your predictions of the MI probabilities of the participants in the testing dataset.
  - Save your predictions in a file named: **kNN\_pred.csv**. In the file, the 1<sup>st</sup> column contains the list of participants ID and the 2<sup>nd</sup> column contains your prediction. For example:

	A	B	C
1	ParticipantID	Pred_Probability	
2	94	0.537792	
3	18	0.516887	
4	54	0.334027	

- Accuracy of your prediction (Accuracy of MI + accuracy of non-MI)/2:
  - (5pts) if  $\geq 80\%$
  - (4pts) if  $[70\%, 80)$
  - (3pts) if  $[60\%, 70)$
  - (2pts) if  $[50\%, 60)$
  - (1pts) if  $[45\%, 50)$
- KL Divergence score
  - (3pts) if  $\leq 0.3$
  - (2pts) if  $(0.3, 0.5]$
  - (1pts) if  $(0.5, 0.7]$

## Part 2: Logistic regression (10pts)

- Your Jupyter notebook for logistic regression - working and looks good (2pts)
- Your predictions of the MI probabilities of the participants in the testing dataset.
  - Save your predictions in a file named: **regression\_pred.csv**. In the file, the 1<sup>st</sup> column contains the list of participants ID and the 2<sup>nd</sup> column contains your prediction. For example:

	A	B	C
1	ParticipantID	Pred_Probability	
2	94	0.537792	
3	18	0.516887	
4	54	0.334027	

- Accuracy of your prediction (Accuracy of MI + accuracy of non-MI)/2:
  - (5pts) if  $\geq 80\%$
  - (4pts) if  $[70\%, 80)$
  - (3pts) if  $[60\%, 70)$
  - (2pts) if  $[50\%, 60)$
  - (1pts) if  $[45\%, 50)$
- KL Divergence score
  - (3pts) if  $\leq 0.3$
  - (2pts) if  $(0.3, 0.5]$
  - (1pts) if  $(0.5, 0.7]$