

Your Name: Your email ID: Your UB Person ID:

**Problem Description:** What is the task that you intend to solve in this assignment?

**Method:** Brief description of the method that you follow ( if you are doing linear regression, describe the process, preferably with mathematical details.)

Dataset description: size, training /testing distribution, features etc.
<ul> <li>Experimental Details Describe your implementation, your experiments, and analysis. In particular,</li> <li>How is your prediction task defined on this dataset specifically? linear/logistic regres-</li> </ul>
<ul> <li>inow is your prediction task defined on this dataset specimearly. Initial/logistic regression, and what is the meaning of the output variable?</li> <li>Did you process the features in any way?</li> </ul>
• Did you try to tune the hyperparameters of the learning algorithm, and in that case how?

•	How	do	you	evaluate	the	quality	of	your	system?

- If you want to use the regression result for classification, what is the optimal  $\theta$  ( i.e. what is the best decision boundary based on the training data distribution? How did you arrive at your decision?
- Is it possible to say something about which features the model considers important?

Experimental Details A	similar set	of details	should	be added	for	Logistic	Regression
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Comparative Study betweeen two methods

Conclusion