PHYS 243 **Mid-term** Deadline: 05/19/2019, 11:59 pm

Data sets:

You can choose any of the following data-sets:

- 1. Climate Model Simulation Crashes Data Set
- 2. Acute Inflammations Data Set
- 3. Teaching Assistant Evaluation Data Set
- 4. Wine Quality Data Set

There is a readme.data file in each data set directory. You can find all the extra but relevant information about each data set. (This is on top of original information file)

Expectation

- 1. Understanding and explaining the data set.
- 2. Processing data, cleaning up.
- 3. Dividing your data into a training and test set.
- 4. Choosing the relevant algorithm.
- 5. Writing a python code to perform learning. (You can reuse every code from the lectures)
- 6. Evaluating your learning performance.
- 7. Making sure your results does not depend on your choosing parameters.