Chapter 1.2: OneR

1. First, open Jupyter Notebook by first launching Anaconda Nevigator. **Use the Mac OS if you are using the lab computers!**
2. Download the code for today’s lab from Sakai under:

resources/labs/chapter1/OneR.ipynb

(Do it by right clicking – or control click on mac – and select “save link as”)

1. Open OneR.ipynb with Jupyter Notebook. Make a copy of it so you can make edits you can later reset by going back to the original file.
2. Read the code and try to understand it.
3. Write additional code, within the existing code to:
   1. Add a column in X with the ratio of columns features 2 and 3 (columns 2 and 3 of the original X)
   2. Discretize the new 5 columns X into X\_d
   3. Run the training and testing using OneR
   4. Is the new feature performing better than the original 4?

Clue: if you do everything right, all you have to change is adding that column to the original X and the rest of the code should handle it.