Assignment paper #1

Name:

Part I: Reflection on your learning (20pt)
(1) What have you learned in the class so far?
(2) Which area (knowledge, skillset, attitude, etc.) of learning in this class do you think you are strong at and which area you want to do better and how?
(3) Did you get help from your peers, or who did you collaborate with? Provide names and briefly describe their support/contributions to your assignment.

Part II: KNN report (40pt)on a wine dataset (wine.csv)
(1) Briefly describe the data (i.e., the number of data points, variables, labels, etc.) 5pt
(2) Select three or four features for classification. Which ones did you select and why? 5pt
(3) How did you split(i.e., ratio) training vs. testing? 5pt
(4) Use "pickle" and produce two pkl files. Provide the file names here. 5pt
(5) How many k's did you generate? 5pt
(6) How many cross validation scores did you generate? 5pt
(7) What is the optimal value of k and how did you decide? 5pt
(8) How did your KNN perform? What's your accuracy score? 5pt

Submit: (1) Your assignment paper (60pt), (2) your ipynb file (30pt), and (3) a screen capture of your truth/prediction comparison output as an image file (10pt)

Your file names should indicate your last name followed by initials:
Examples: Jason Bishop → BishopJ_paper1.docx   BishopJ_codes1.ipynb

Where? Assignment folder on LearnUS

Due by July 10th 11:55 pm