Project 1

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**Problem 1

a)

Quantative: Time, income earned, horsepower of a car. Qvalitative: Marital status, origin, Gender.

b) KNN, LDA, QDA can be used for multi-class classifications.

c)

d)The nereast neighbour for k=1 is a blue dot, so our classification is blue. For K=3, two of the nearest neighbors are red and 1 blue. This gives 2/3 red, so it is red. For K=5 we have 3/5 red, so it is red.