

Question 1:

Function: Informative.

I can automate it by getting data let's say from user. Before that I would train my model on some dummy large data. For example I am trying to automate model to get information about sentiments, what a person said is positive or negative. So, first I'd ~~then~~ vectorize my data using TfidfVectorizer and then train it using Naïve Bayes Classifier. Then the real data will come in at runtime and it will be predicted by model. To take it to next level I can create clusters as well like I can use KMeans to make 2 clusters; one for positive emotions/sentences and one for negative. I can ~~p~~ even check reliability of my clusters by Davies Bouldin or silhouette index. Basically, we will first collect data, then analyse it, then preprocess it, then train model, evaluate model, tune model.