# Question 3.1

# Using the same data set (credit\_card\_data.txt or credit\_card\_data-headers.txt) as in Question 2.2, use the ksvm or kknn function to find a good classifier:

1. using cross-validation (do this for the k-nearest-neighbors model; SVM is optional); and
2. splitting the data into training, validation, and test data sets (pick either KNN or SVM; the other is optional).

Table

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| Referenced Year | Label | Abbreviation | Description |
| 2020 | LY Actual Demand Units | LY = Last Year | What was sold in 2020 |
| 2021 | Ty Actuals/Forecast | TY = Totals this Year | What was sold in 2021 & what is predicted to sell for the remainder of 2021 |
| 2022 | NY Forecast | NY = Next Year | What we expect to sell for 2022 |

A piece of paper with writing on it

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