**Logistic Regression**

Scenario: predict whether it will rain or not

Why: It is used to estimate discrete values (Binary values like 0/1, yes/no, true/false ) based on given set of independent variable(s). In simple words, it predicts the probability of occurrence of an event

**K Nearest Neighbour**

Scenario: Predicting car prices

Why: it will store all available cases and classify new cases based on a similarity measure i.e nearest neighbor.

**Naïve Bayes**

Scenario: Building an email spam filter

Why: it is really efficient with text classification and so would be a really good fit.

**Decision Tree**

Scenario: determine the species of an animal

Why: it clearly lays out the problem so that all options can be challenged, and provides a framework to quantify the values of outcomes and the probabilities of achieving them.

**Support Vector Machine**

Scenario: Handwriting recognition

Why: It uses a technique called the kernel trick to transform your data and then based on these transformations it finds an optimal boundary between the possible outputs.