Session 3:

Logistic Regression:  
- model the probability of an event occuring depending on the values of the independent variables, which can be categorical or numerical  
- estimate the probability that an event occurs for a randomly selected observation versus the event does no occur  
- predict the effect of a series of variables on a binary response variable  
- classify observations by estimating the probability that an observation is in a particular category (such as approved or not approved in our problem)

Why not ther regression methods:

* Simple linear regression is one quantitative variable predicting other
* Multiple regression is simple regression with more independent variables
* Binary data does not have normal distribution