1. What are the two things that can be examined by conducting linear regression?
2. What are the alternative names for ‘dependent variable’?
3. What are the main uses of regression analysis?
4. What is the difference between simple linear regression and logistic regression?
5. Why cannot simple linear regression be used for classification?
6. What is meant by the sigmoid function?
7. How can the coefficients of the logistic regression algorithm be learnt?
8. What are the assumptions made in logistic regression?

Refer to Internet resources and answer the following questions

1. Alternative functions for sigmoid are Sigmoid, tanh, Softmax, ReLU, Leaky ReLU. Briefly discuss these functions, their pros and cons, and where they are most useful.