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| **Basis** | **Linear Regression** | **Logistic Regression** |
| Core Concept | The data is modelled using a straight line | The data is modelled using a sigmoid |
| Used with | Continuous Variable | Categorical Variable |
| Output/Prediction | Value of the variable | Probability of occurrence of an event |
| Accuracy and Goodness of Fit | Measured by loss, R squared, Adjusted R squared etc. | Measured by Accuracy, Precision, Recall, F1 score, ROC curve, Confusion Matrix, etc |