

# CLASSIFICATION PREDICTIVE MODELLING

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- Classification predictive modeling is the task of approximating a mapping function ( $f$ ) from input variables ( $X$ ) to discrete output variables ( $y$ ).
- The output variables are often called labels or categories. The mapping function predicts the class or category for a given observation.
- For example, an email of text can be classified as belonging to one of two classes: “spam” and “*not spam*”.