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Postgraduate Certificate in AI Applications in Auditing

# Machine Learning Techniques

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Machine Learning Techniques: A Comprehensive Guide for the Postgraduate Certificate in AI Applications in Auditing

## 1. Supervised Learning

In supervised learning, a model is trained on a labeled dataset, where each data point has a corresponding target or output value. The goal is to learn a mapping from inputs to outputs, such that the model can make accurate predictions on new, unseen data. Common supervised learning tasks include regression (predicting continuous values) and classification (predicting discrete categories).

Example: Predicting a company's financial health based on historical financial data.

## 1. Unsupervised Learning