**Survey Questions**

1. **Which supervised learning algorithm is particularly useful for classification problems?**
   * A) K-means clustering
   * B) Support Vector Machines (SVM)
   * C) Linear regression
   * D) Principal Component Analysis (PCA)
2. **What is overfitting in the context of machine learning?**
   * A) When a model is too simple, barely adapting to the data
   * B) When a model performs well on training data but poorly on unseen data
   * C) When a model takes too long to learn from data
   * D) When a model does not use all available features
3. **Which unsupervised learning technique is used for dimensionality reduction?**
   * A) Logistic regression
   * B) Random forests
   * C) Principal Component Analysis (PCA)
   * D) Decision trees
4. **What ethical consideration is particularly significant when using machine learning in public health?**
   * A) Profit maximization
   * B) Data privacy and security
   * C) Increasing operational efficiency
   * D) Reducing marketing costs
5. **In the context of public health, the use of feature selection techniques can:**
   * A) Increase the computational complexity of models
   * B) Reduce the interpretability of the model
   * C) Reduce the risk of overfitting
   * D) Increase the difficulty of plotting the data