Apply all three techniques of feature selection in dataset(https://www.kaggle.com/datasets/yasserh/breast-cancer-dataset) and also apply one machine learning model and get above 90% accuracy

1. Add Task Description:

   Objective:
   The goal is to apply three feature selection techniques on the breast cancer dataset and build a machine learning model with above 90% accuracy. Feature selection improves model performance by selecting the most relevant features, reducing dimensionality, and mitigating overfitting.

2. Attach Screenshot Of Output.:

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Accuracy using Filter (SelectKBest): 85.96%
Accuracy using Wrapper (RFE): 95.61%
Accuracy using Embedded (Random Forest): 95.61%
```

3. Describe Widget/Algorithm Used In Task:

1. **Filter Method**:
   - **Algorithm**: SelectKBest (using chi-square test).
   - **Description**: Selects the top K features with the highest correlation to the target variable. It is computationally efficient and independent of the ML model.
2. **Wrapper Method**:
   - **Algorithm**: Recursive Feature Elimination (RFE) using Logistic Regression.
   - **Description**: Iteratively fits a model and removes the least significant features based on their coefficients or importance scores. RFE is computationally expensive but effective for feature ranking.
3. **Embedded Method**:
   - **Algorithm**: Random Forest feature importance.
   - **Description**: Random Forest assigns importance scores to features during training, helping to identify the most influential features.
4. **Machine Learning Model**:
   - **Algorithm**: Random Forest Classifier.
   - **Description**: An ensemble learning method that combines multiple decision trees to enhance prediction accuracy and robustness. It is robust to overfitting and works well with selected features.