**Regression Assignment-Insurance Prediction**

1. **Linear Regression**

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| Simple Linear Regression | 0.789479035 |
| Multiple Linear Regression | 0.789479035 |
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1. **Support Vector Machine**

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| SVR | -0.088512974 |
| kernel='rbf' | -0.088512974 |
| Kernel='linear' | -0.100139295 |
| Kernel='poly' | -0.07245894 |
| Kernel='sigmoid' | -0.089925387 |
| kernel='rbf', degree=3, gamma='scale' | -0.083412974 |

1. **DecisionTree**

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| Decision Tree | 0.695455534 |
| criterion = ‘friedman\_mse’ | 0.685706829 |
| criterion='absolute\_error' | 0.693304936 |
| criterion='poisson' | 0.721927896 |
| criterion='poisson', splitter='best' | 0.72100956 |
| criterion='friedman\_mse', splitter='random' | 0.715342731 |
| criterion='absolute\_error', splitter='random' | 0.70355397 |

1. **Random Forest**

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| Random Forest | 0.855059513 |
| n\_estimators=100, criterion='squared\_error' | 0.855188322 |
| n\_estimators=100, criterion='squared\_error', max\_depth=None, min\_samples\_split=2 | 0.857892955 |
| n\_estimators=100, criterion='friedman\_mse', max\_depth=None, min\_samples\_split=2 | 0.856658824 |
| n\_estimators=100, criterion='absolute\_error', max\_depth=None, min\_samples\_split=2 | 0.853097031 |