

Logistic Regression

evaluation of Logistic Regression:

Accuracy of Logistic Regression: 0.5775630703166935

Confusion Matrix of Logistic Regression:

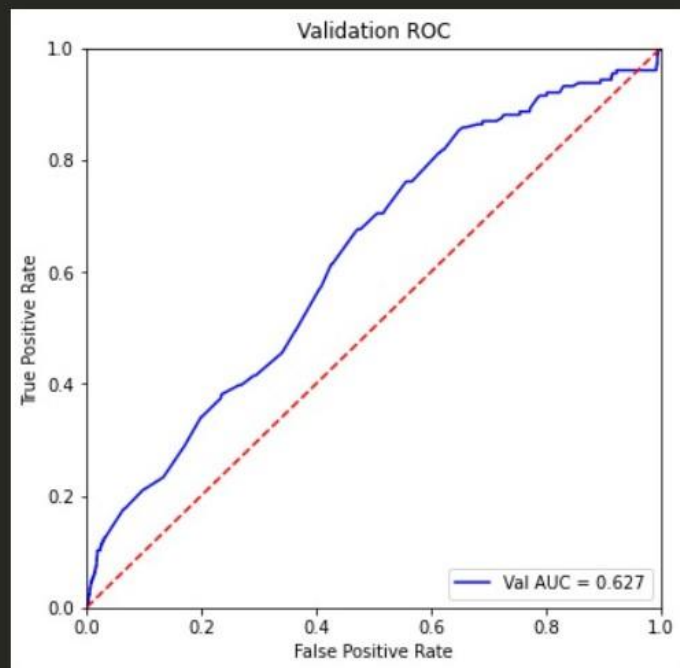
```
[[968 719]
```

```
 [ 68 108]]
```

Precision score of Logistic Regression: 0.13059250302297462

Recall score of Logistic Regression: 0.6136363636363636

F1 score of Logistic Regression: 0.2153539381854437



Decision Tree

evaluation of Decision Tree:

Accuracy of Decision Tree: 0.512614063338701

Confusion Matrix of Decision Tree:

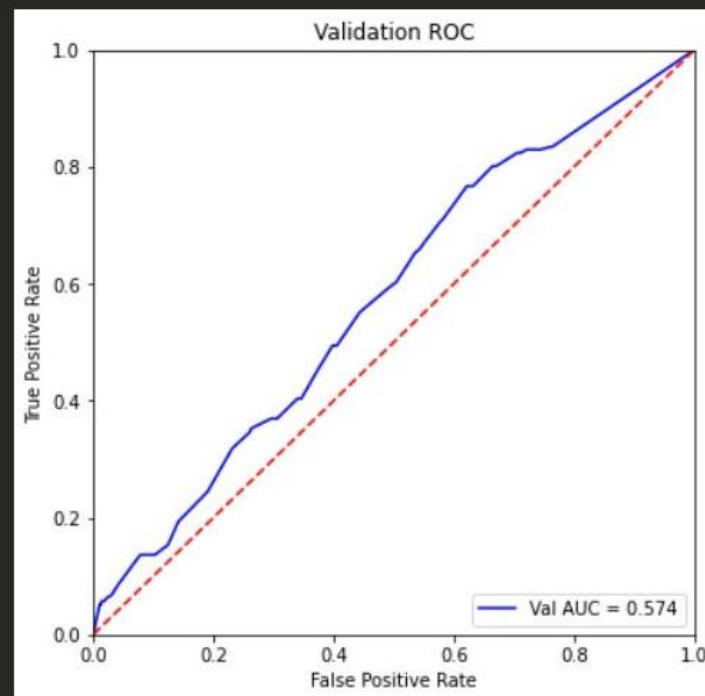
```
[[850 837]
```

```
 [ 71 105]]
```

Precision score of Decision Tree: 0.11146496815286625

Recall score of Decision Tree: 0.5965909090909091

F1 score of Decision Tree: 0.18783542039355994



Random Forest

evaluation of Random Forest:

Accuracy of Random Forest: 0.49114331723027377

Confusion Matrix of Random Forest:

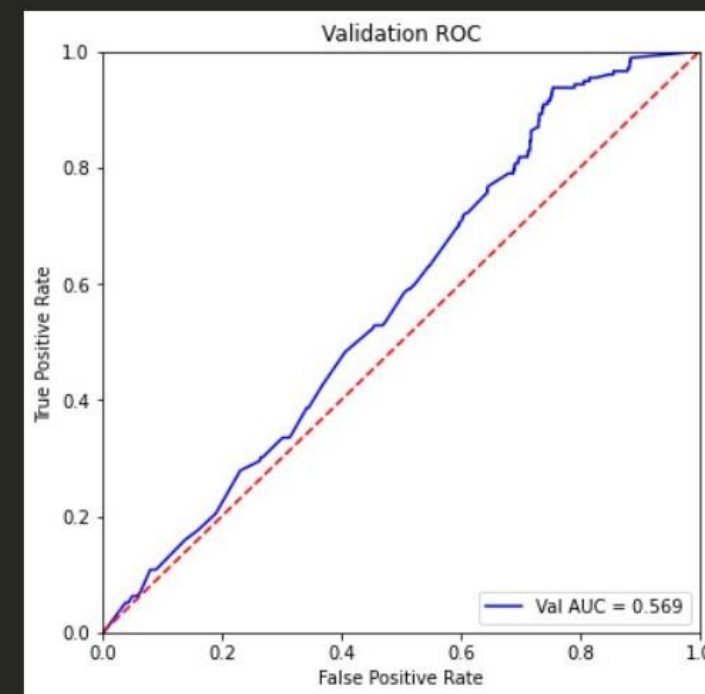
```
[[810 877]
```

```
 [ 71 105]]
```

Precision score of Random Forest: 0.10692464358452139

Recall score of Random Forest: 0.5965909090909091

F1 score of Random Forest: 0.18134715025906736



All Negative

evaluation of All Negative:

Accuracy of All Negative: 0.90552871712292

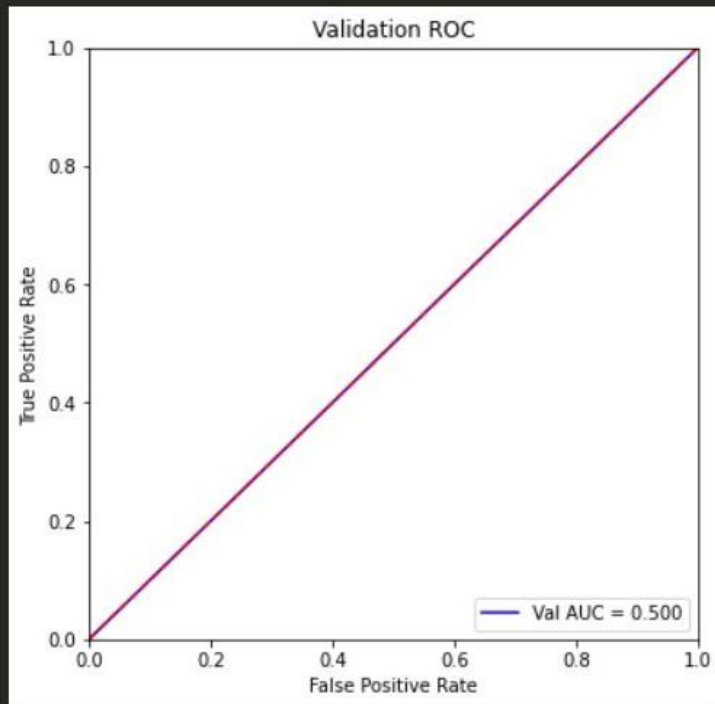
Confusion Matrix of All Negative:

```
[[1687  0]
 [ 176  0]]
```

Precision score of All Negative: 0.0

Recall score of All Negative: 0.0

F1 score of All Negative: 0.0



Support Vector Machine

evaluation of Support Vector Machine:

Accuracy of Support Vector Machine: 0.90552871712292

Confusion Matrix of Support Vector Machine:

```
[[1686  1]
 [ 175  1]]
```

Precision score of Support Vector Machine: 0.5

Recall score of Support Vector Machine: 0.005681818181818181

F1 score of Support Vector Machine: 0.01123595505617977

Improved K-Nearest-Neighbors

evaluation of Improved K Nearest Neighbors:

Accuracy of Improved K Nearest Neighbors: 0.6714975845410628

Confusion Matrix of Improved K Nearest Neighbors:

```
[[1164  523]
 [  89  87]]
```

Precision score of Improved K Nearest Neighbors: 0.1426229508

Recall score of Improved K Nearest Neighbors: 0.4943181818181818

F1 score of Improved K Nearest Neighbors: 0.22137404580152673

