Support Vector Machine-Salary Dataset

Kernel	Accuracy
rbfdot	0.8541833
polydot	0.8462815
tanhdot	0.6638778
vanilladot	0.8462815
laplacedot	0.852656
besseldot	0.7703187

Confusion Matrix

vanilladot		
predict		
Actual	<=50K	>50K
<=50k	10599	761
>50k	1554	2146
F1_scores=0.9015438		

rbfdot		
predict		
Actual	<=50K	>50K
<=50k	10660	700
>50k	1496	2204
F1_scores=0.9066168		

laplacedot		
predict		
Actual	<=50K	>50K
<=50k	10636	724
>50k	1495	2205
F1_scores=0.9055383		

Based on above data, kernel rbfdot having highest accuracy and F1 scores, so we consider kernel rbfdot model for classification.