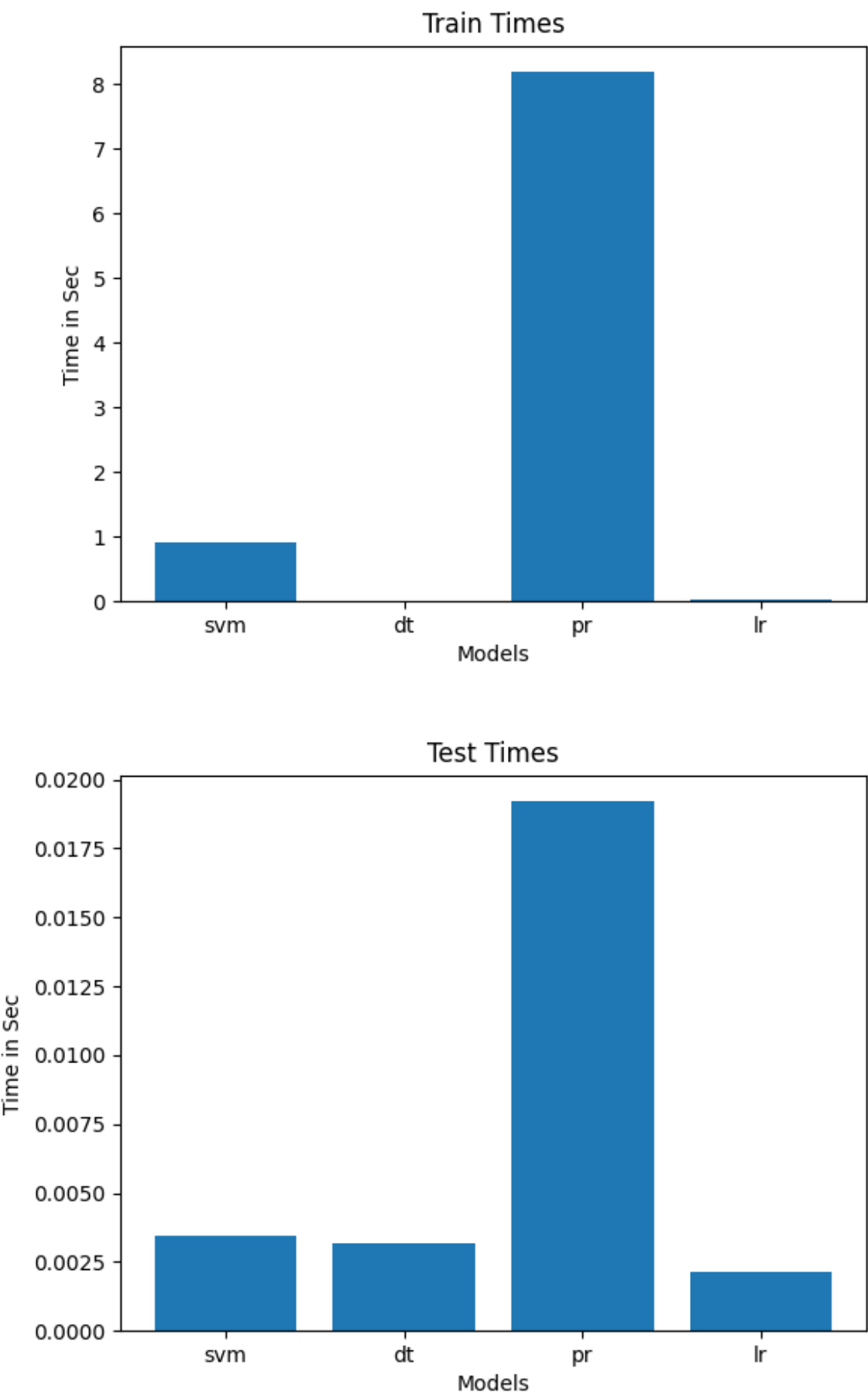
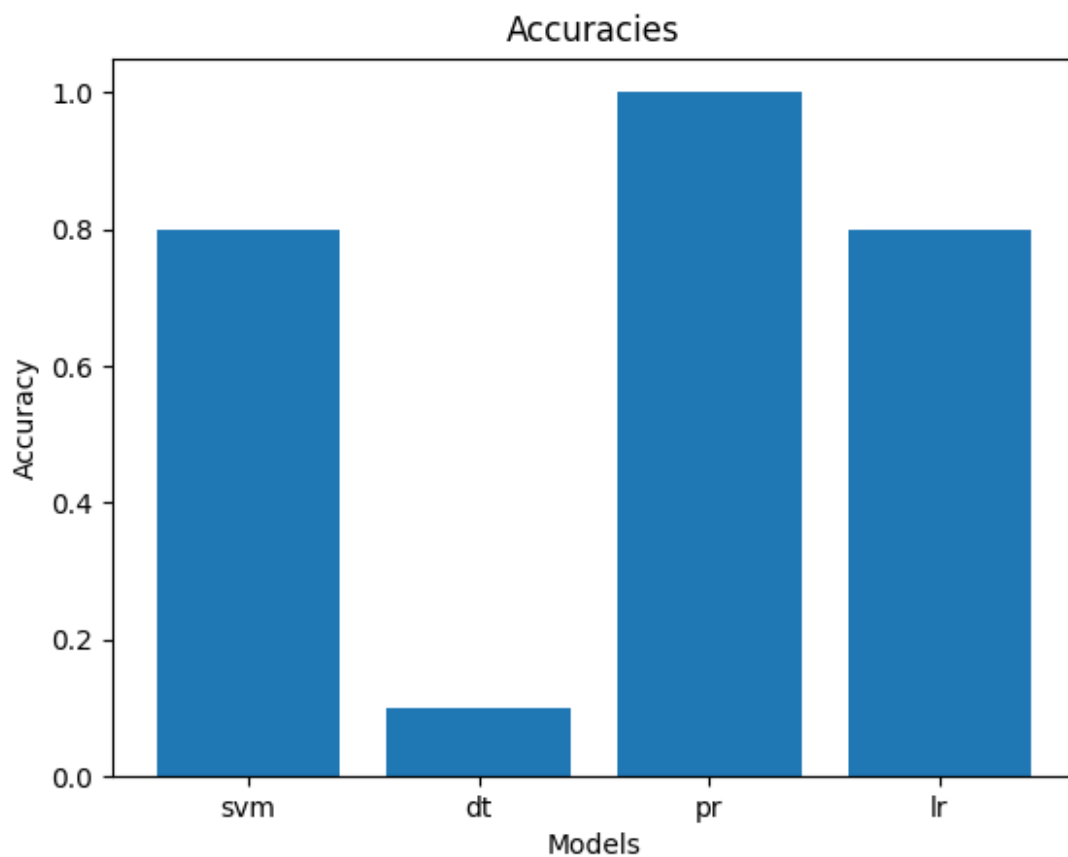


# Phase 2 Documents

## Classification Result





## Hyper Params of SVM

C	Kernel	Accuracy	Reason
1	Linear	-	Long time to train
1	poly	0	-
1	RPF	0.8	Medium sample size and Small feature count
0.5	-	0.8	No change due to small test sample

## Conclusion

Applying our basic preprocessing techniques from phase 1 was not enough for this phase. As we have discovered that these techniques were broken and need alot of modificataion. So, we rebuild these techniques from scratch.

### What was wrong in the previous preprocessing techniques

- Dropping non-essintial columns instead of making they all zeros.
- Starting the models without making sure that train and test data have the save columns.