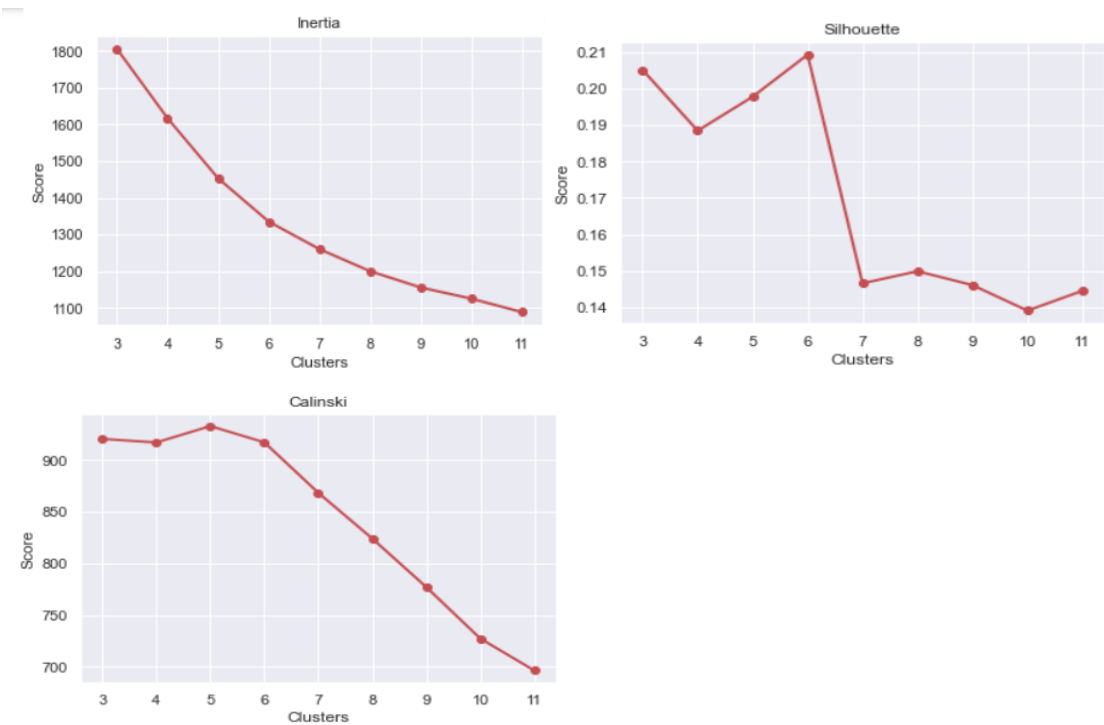


KMeans Data Observations



Notes & Observations

After changing the random state number a couple times i.e the starting point to see if the clusters were consistent and looking at the above plots I settled on k = 6. The clusters could not be used to predict Loss Amount. Cluster 0 is the riskiest and Cluster 5 is the least risky. Cluster 0 has the highest TRUNC_IMP_DEROG (derogatory marks on their credit report) while cluster 5 has the highest TRUNC_IMP_YOJ (years on job) which makes sense.

CLUSTER	TARGET_BAD_FLAG		CLUSTER	TARGET_BAD_FLAG
0	1	158	0	0.600760
	0	105	1	0.239680
1	0	571	2	0.158647
	1	180	3	0.119510
2	0	2238	4	0.542857
	1	422	5	0.094701
3	0	862		
	1	117		
4	1	228		
	0	192		
5	0	803		
	1	84		

Name: TARGET_BAD_FLAG, dtype: int64