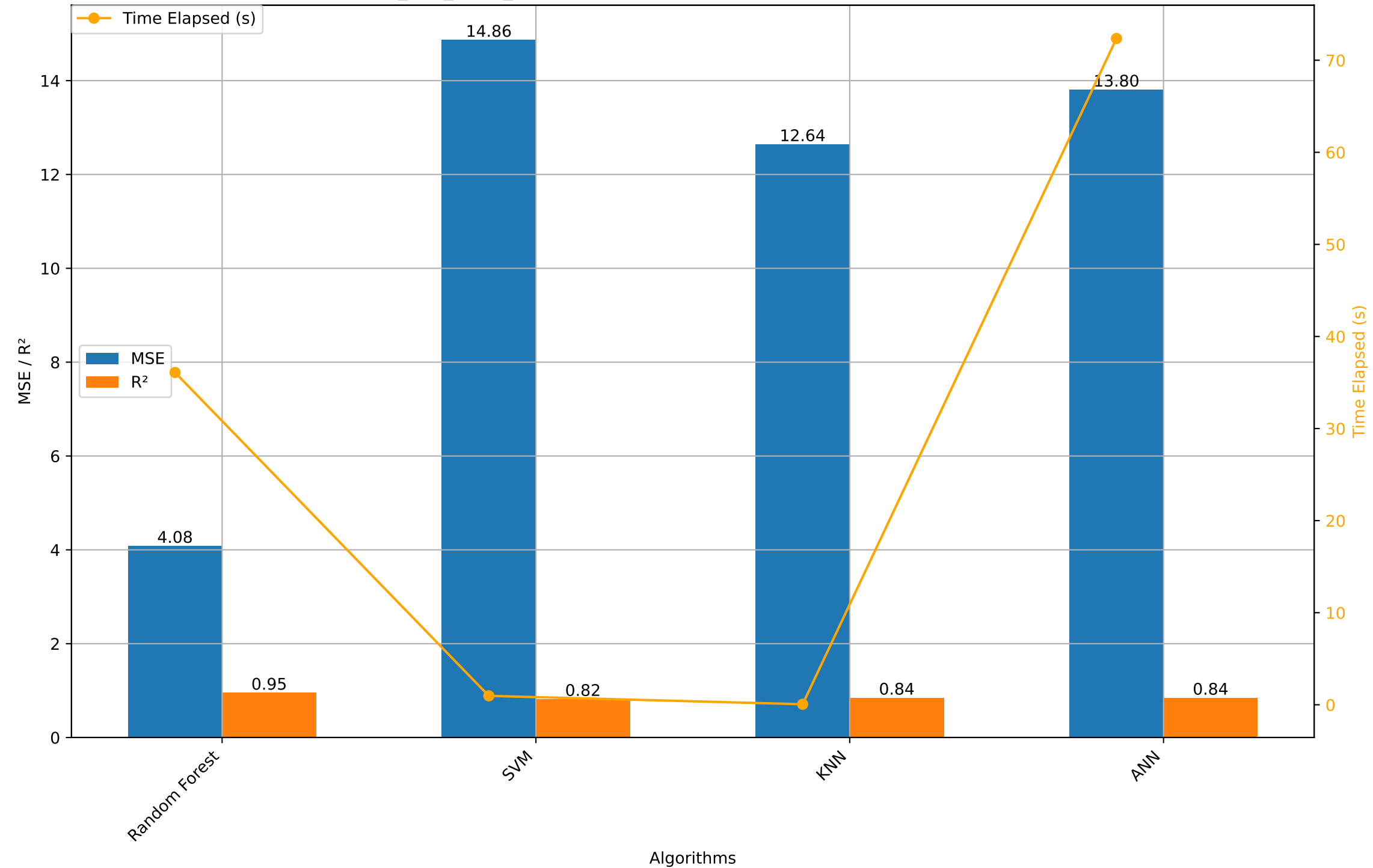
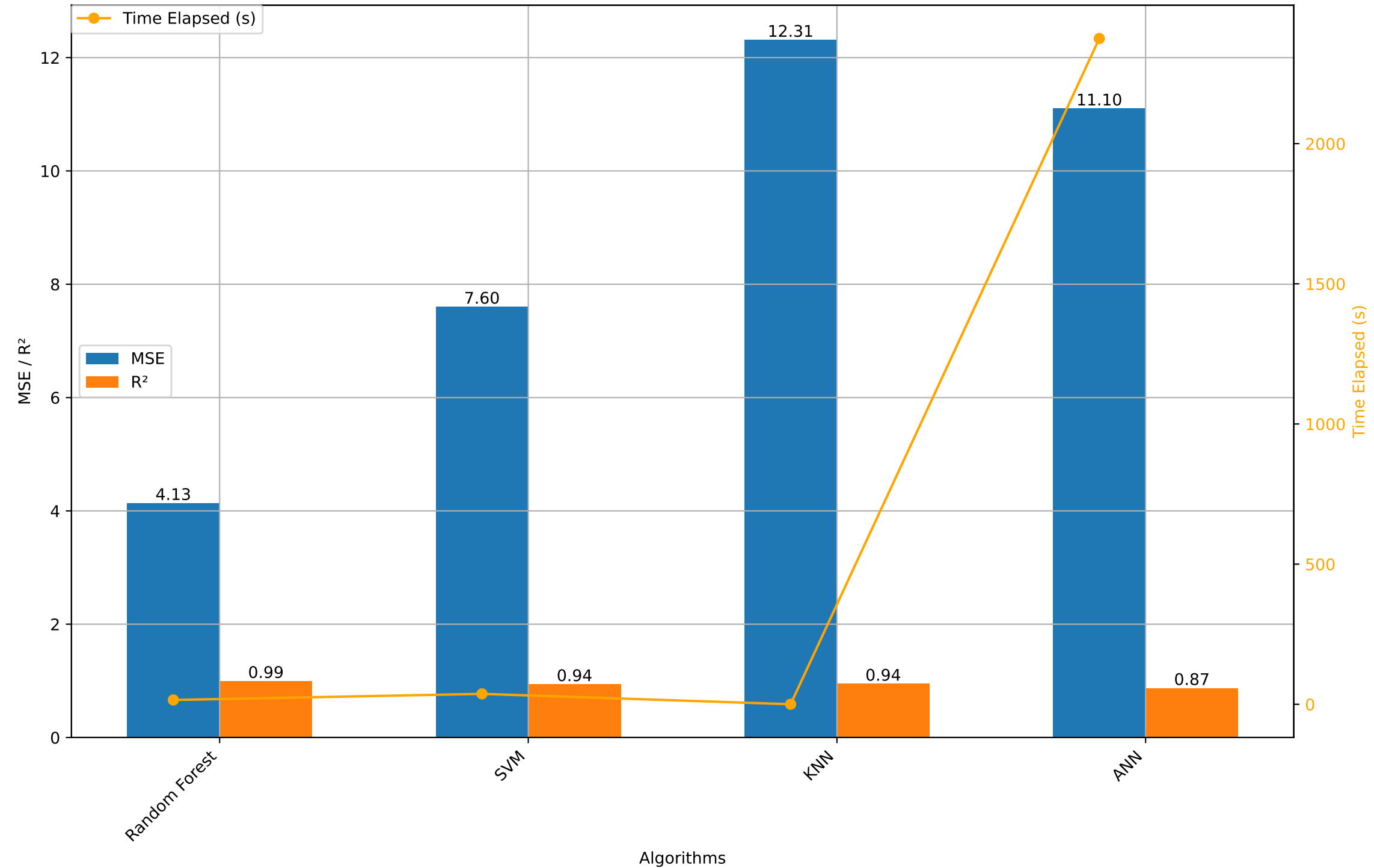


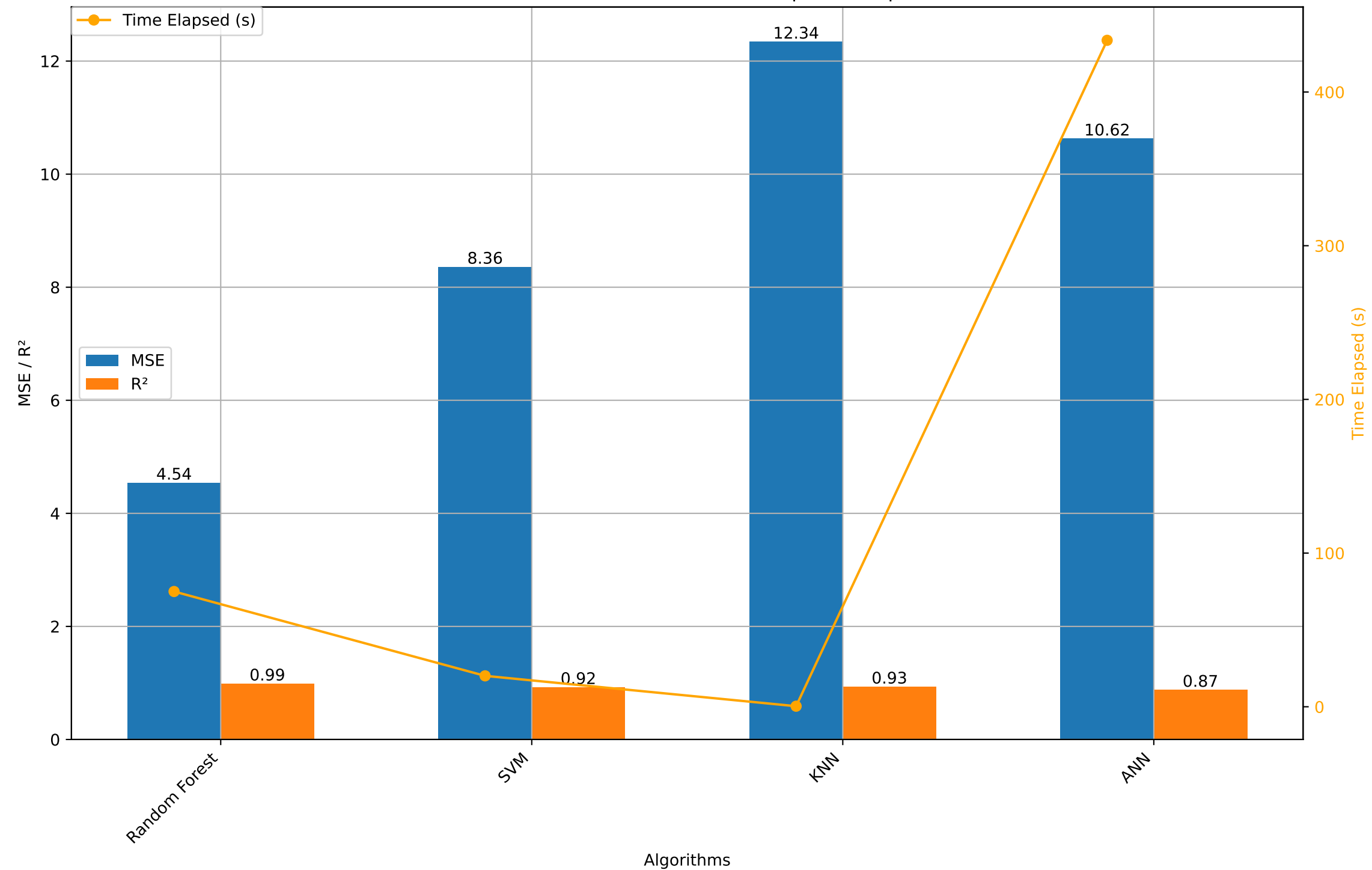
3_fold_cross_validation - MSE, R² and Time Elapsed Comparison

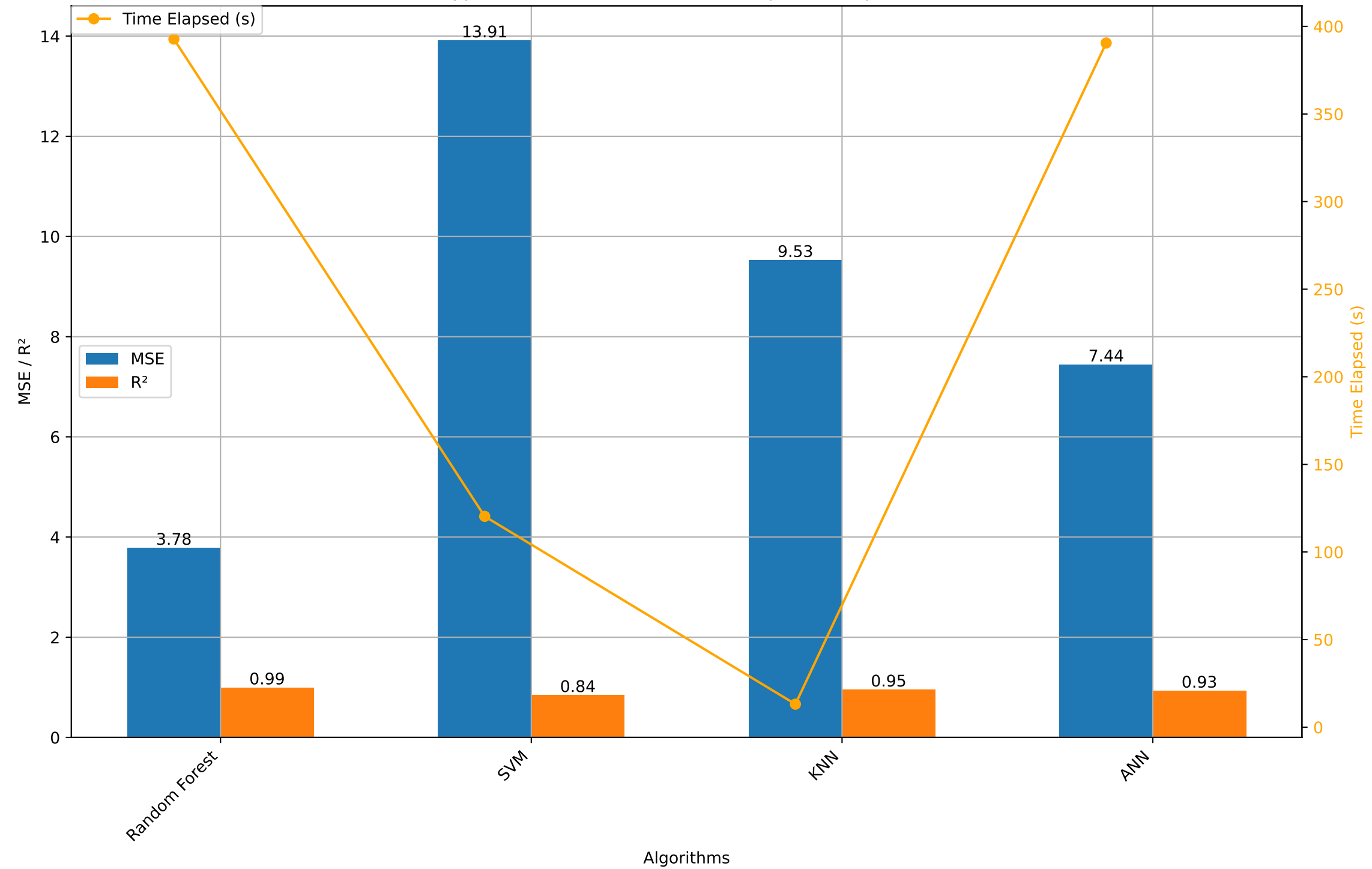


Grid Search - MSE, R² and Time Elapsed Comparison

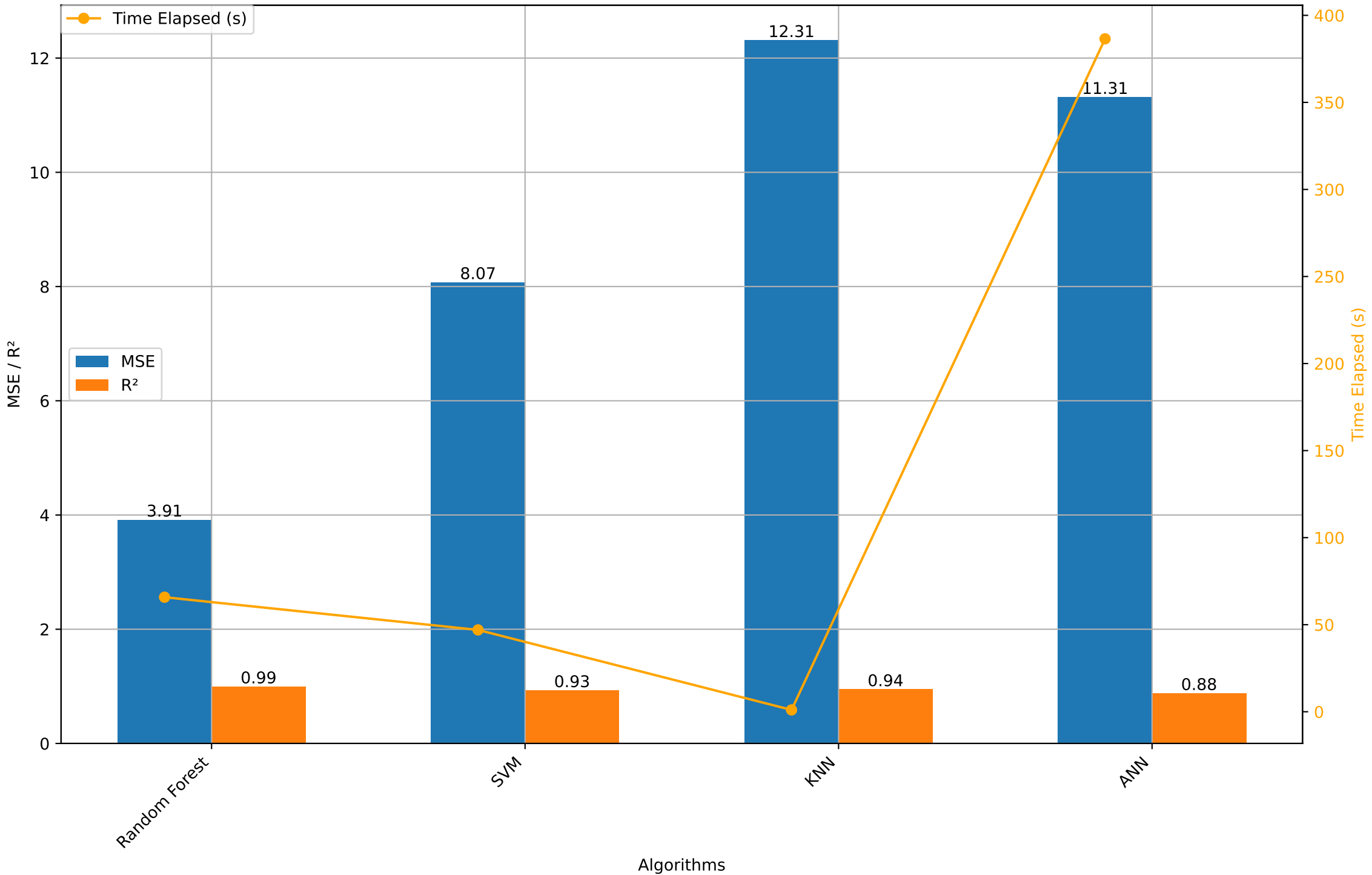


Random Search - MSE, R² and Time Elapsed Comparison

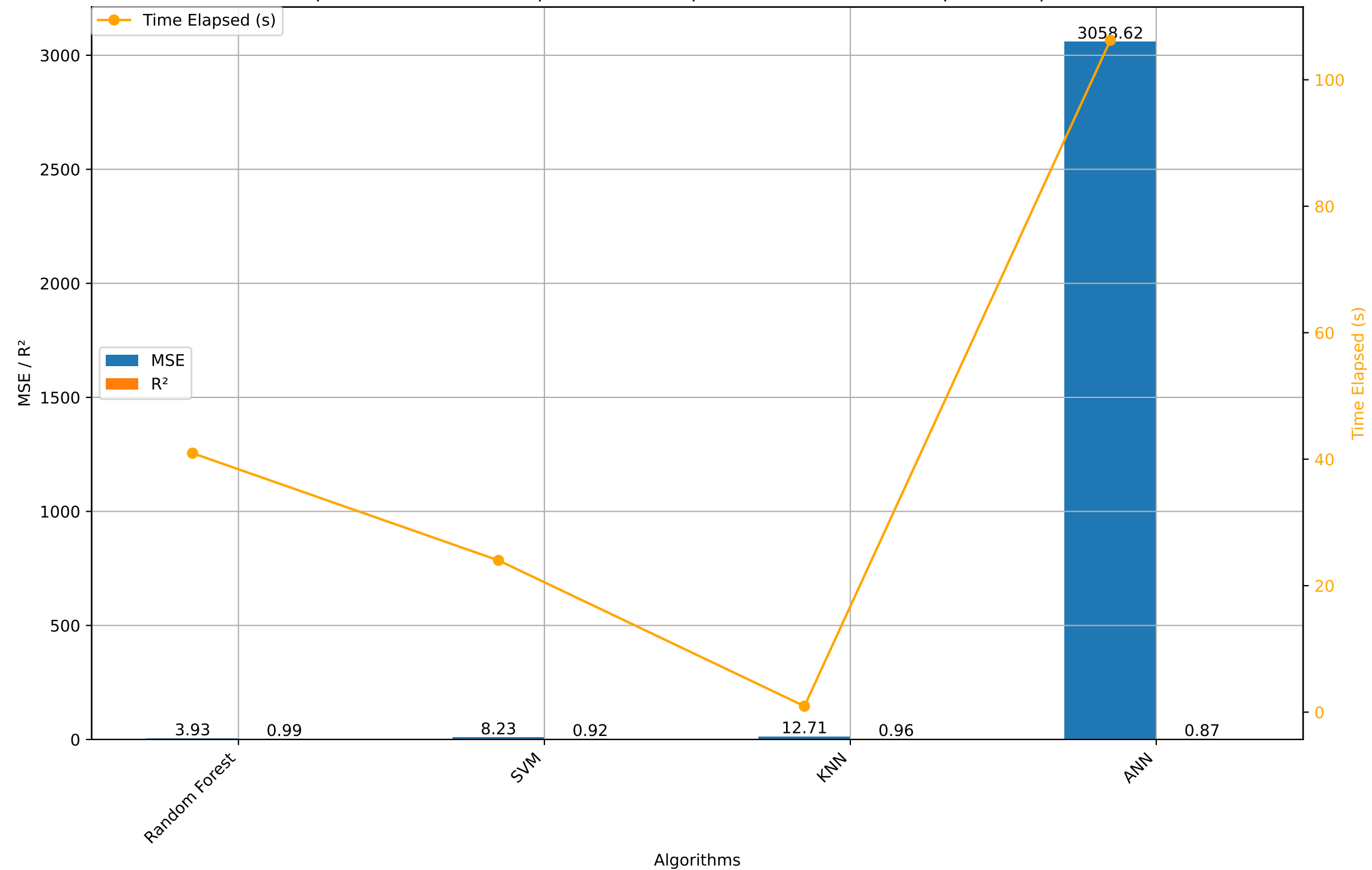


Hyperband - MSE, R² and Time Elapsed Comparison

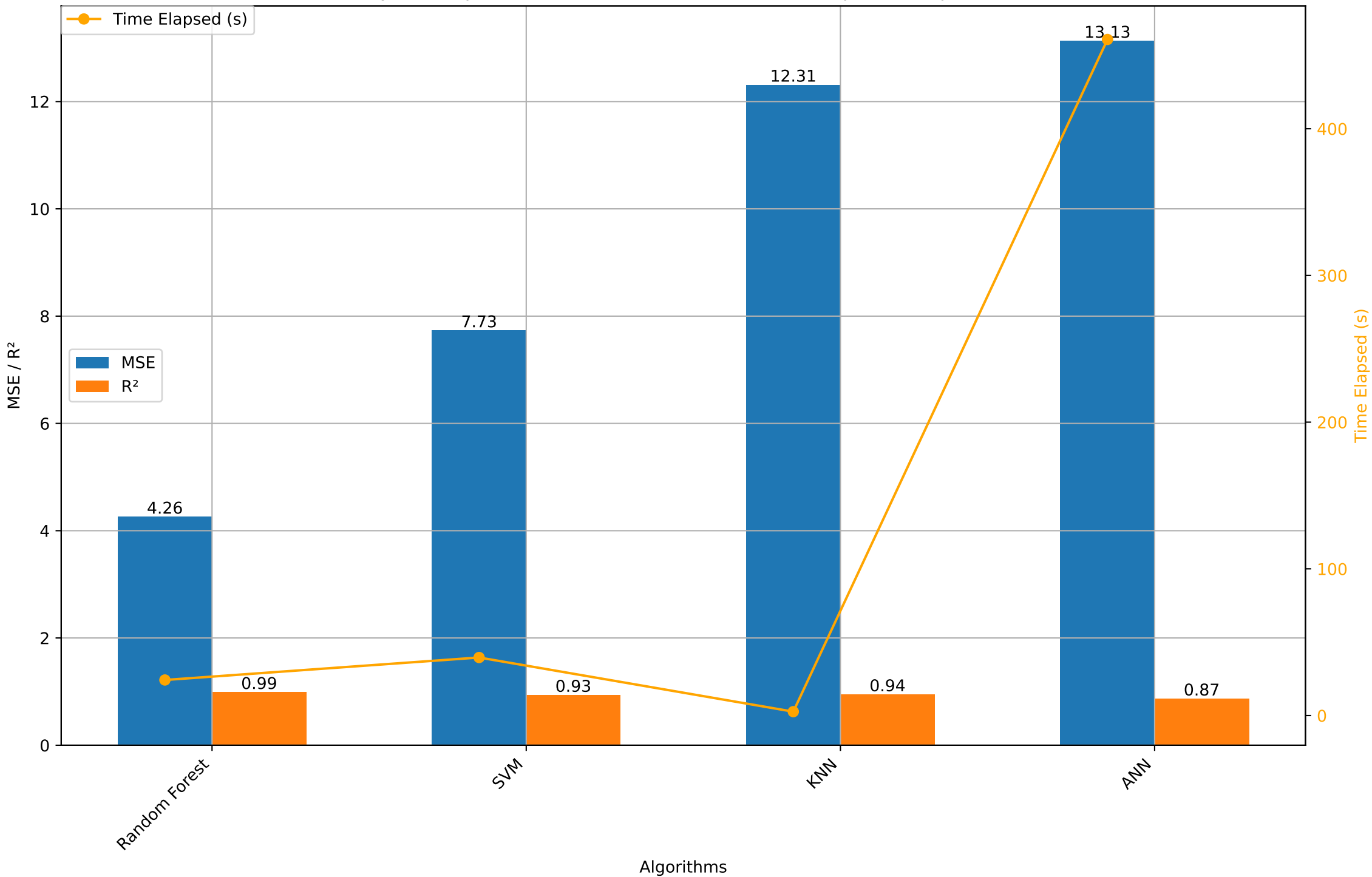
Bayesian Optimization - MSE, R² and Time Elapsed Comparison

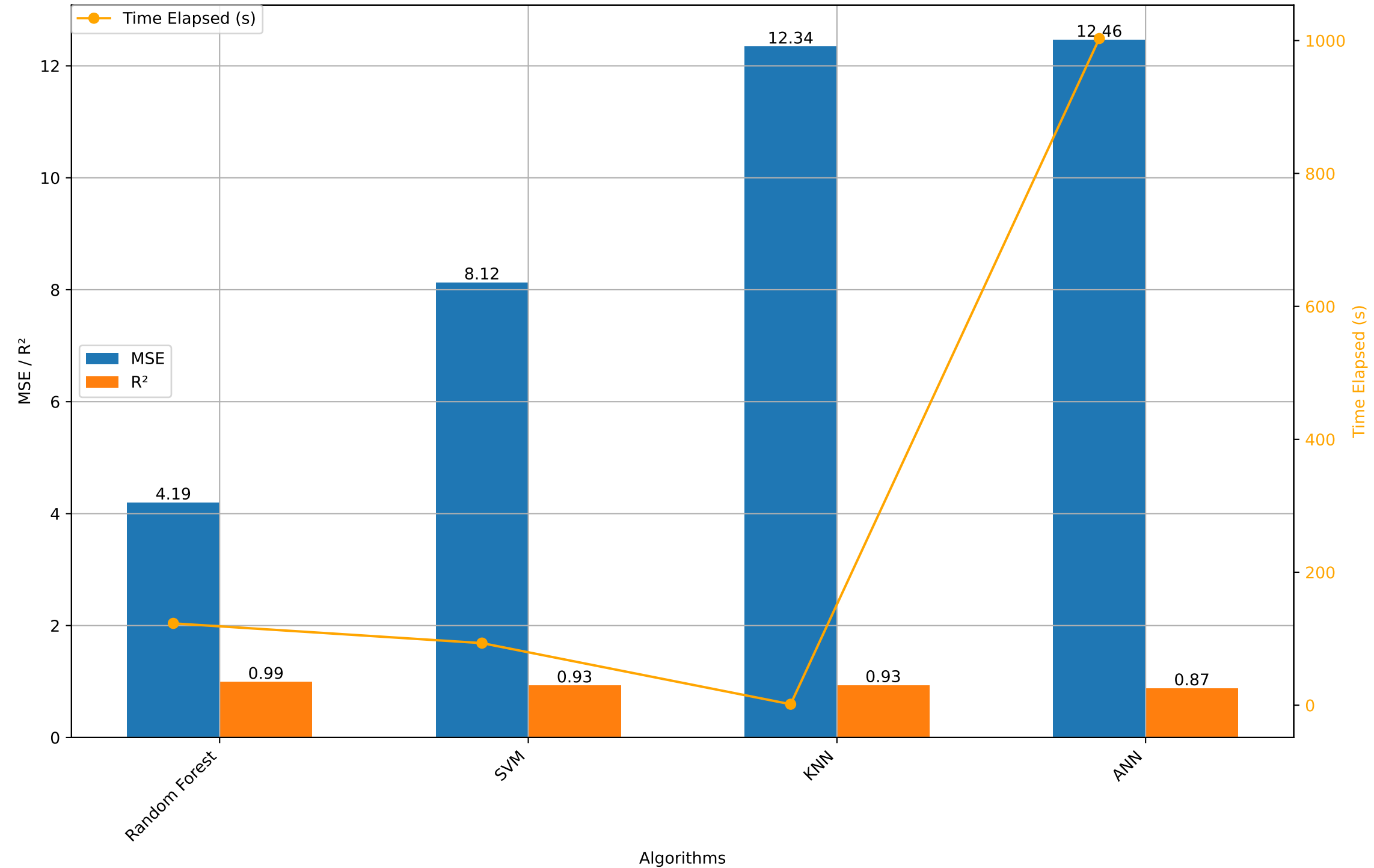


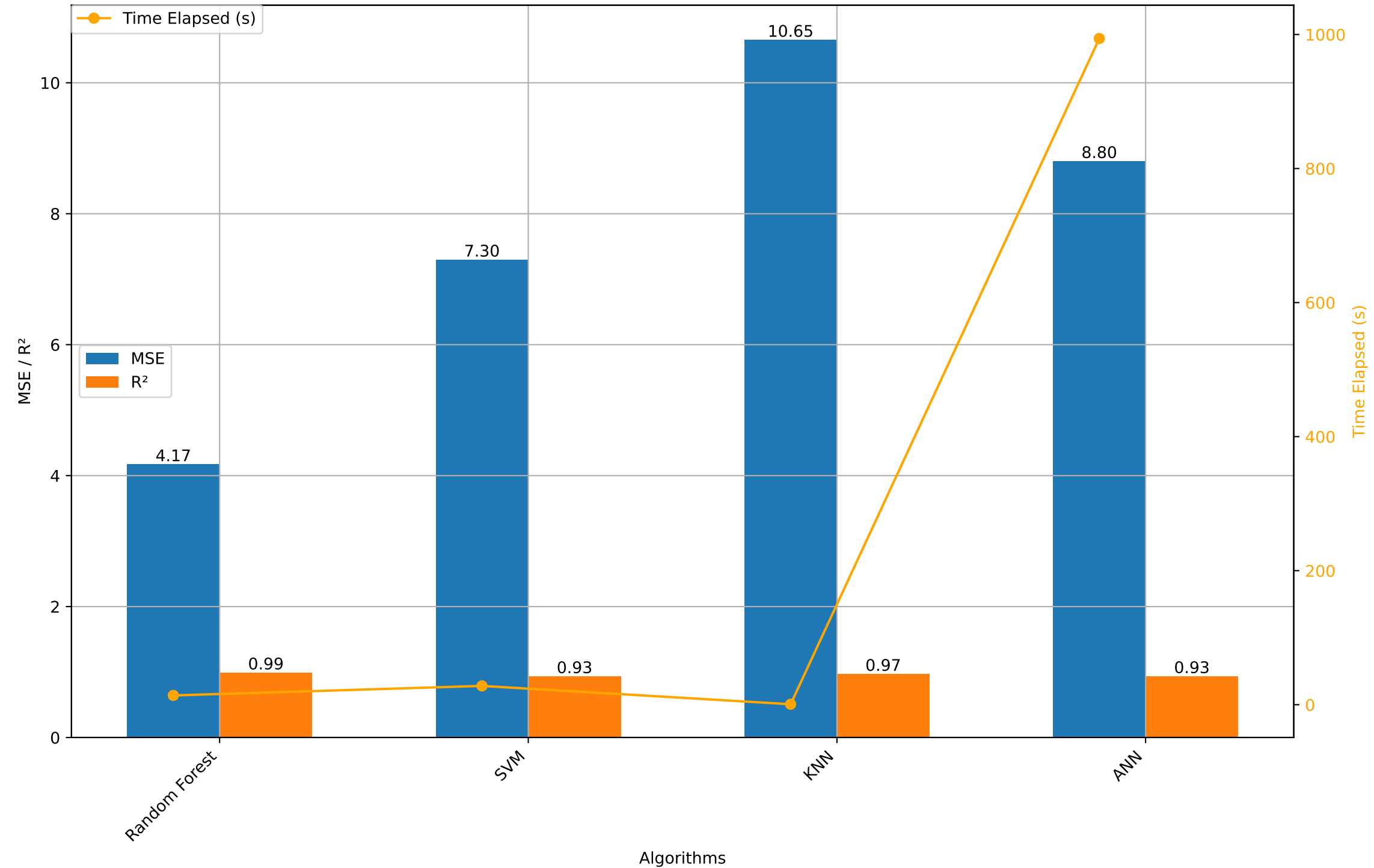
Sequential Model-Based Optimization (skopt) - MSE, R² and Time Elapsed Comparison



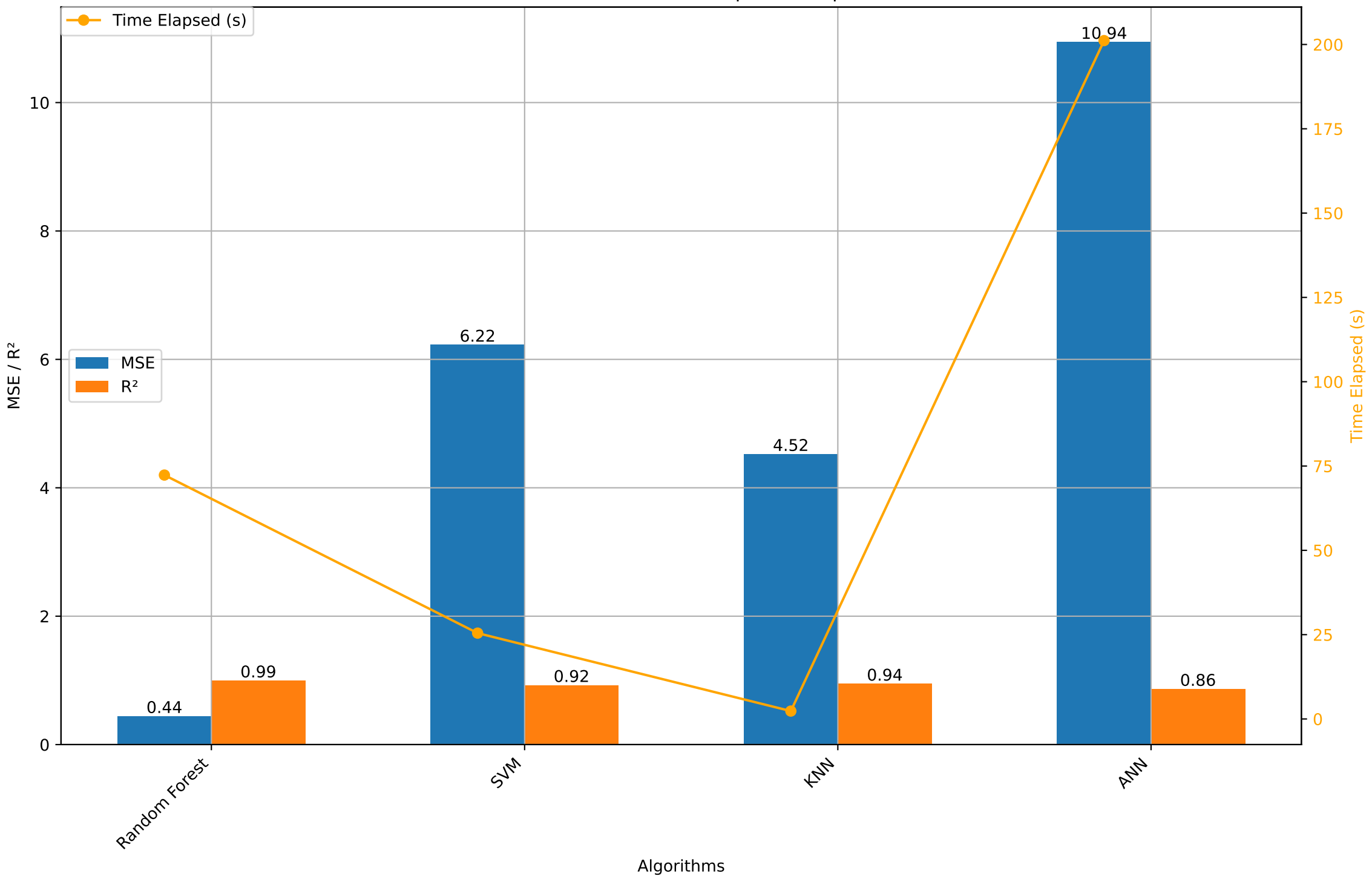
Bayesian Optimization TPE - MSE, R² and Time Elapsed Comparison



Particle Swarm Optimization - MSE, R² and Time Elapsed Comparison

Genetic Algorithm - MSE, R² and Time Elapsed Comparison

TPOT - MSE, R² and Time Elapsed Comparison



Best Algorithm and Procedure Summary:

Procedure	MSE Winner	MSE Value	R² Winner	R² Value	Time Winner	Time Elapsed (s)
3_fold_cross_validation	Random Forest	4.079109369641957	Random Forest	0.9488905710459684	KNN	0.06
Grid Search	Random Forest	4.1336205692833525	Random Forest	0.9926669171296262	KNN	0.23
Random Search	Random Forest	4.5388397857418425	Random Forest	0.9850655543307858	KNN	0.37
Hyperband	Random Forest	3.779920308145229	Random Forest	0.9930750435252824	KNN	13.13
Bayesian Optimization	Random Forest	3.914572555219364	Random Forest	0.9938637832250504	KNN	1.05
Sequential Model-Based Optimization (skopt)	Random Forest	3.932493954614222	Random Forest	0.9939280632954698	KNN	0.94
Bayesian Optimization TPE	Random Forest	4.255447046609807	Random Forest	0.9866826725973432	KNN	2.66
Particle Swarm Optimization	Random Forest	4.192903274734988	Random Forest	0.988805680645808	KNN	1.42
Genetic Algorithm	Random Forest	4.169304632670992	Random Forest	0.9896259427170816	KNN	0.72
TPOT	Random Forest	0.4401215223026595	Random Forest	0.9945894459134312	KNN	2.34

Overall Best Algorithm and Procedure:

Procedure	MSE Winner	MSE Value	R ² Winner	R ² Value	Time Winner	Time Elapsed (s)
TPOT	Random Forest	0.4401215223026595	Random Forest	0.9945894459134312	KNN	2.34