Assignment 3 model parameters

Question 9: Make a Wine price prediction model thru linear regression,

Come up with best model on basis of below parameter

			Train data (0.8/0.2 split)			Train data (0.7/0.3 split)		
				Root	Mean		Root	Mean
				Mean	Absolut		Mean	Absolut
			Mea	Squar	e	Mea	Squar	e
		Adjust	n	e	Percent	n	e	Percent
		ed R-	Squa	error	age	Squa	error	age
	R-	square	re	(RMS	Error	re	(RMS	Error
Variable Names	square*	*	error	E)	(MAPE)	error	E)	(MAPE)
	0.957	0.954						
Winter Rain	(0.967)	(0.965)	0.46	0.68	0.59	0.55	0.74	0.61
	0.995	0.994						
AGST	(0.995)	(0.994)	0.14	0.37	0.27	0.22	0.47	0.33
	0.729	0.715						
HarvestRain	(0.701)	(0.682)	0.46	0.68	0.53	0.54	0.74	0.62
	0.852	0.844						
Age	(0.885)	(0.878)	0.35	0.59	0.54	0.28	0.53	0.48
	0.980	0.978						
FrancePop	(0.980)	(0.979)	0.31	0.56	0.51	0.26	0.51	0.46
	0.998	0.998						
WR+AGST+HR	(0.999)	(0.999)	0.21	0.46	0.38	0.27	0.52	0.44
WR+AGST+HR+A								
ge+FP	0.999	0.999						
-	(1.000)	(0.999)	0.22	0.47	0.41	0.28	0.53	0.46

^{*} With train test split of 80% and 20% respectively.

The values in the parenthesis of R-square and adjusted r-square are for 0.7/0.3 train test split. The values without bracket are for 0.8/0.2 split.

Note: Please check the file "Assignment3_final.py" file for the rest.