Below is the table for **RANDOM FOREST REGRESSOR** R2VALUE for different hyper factor parameters.

Best **r2_score: 0.96785, with bootstrap="False", criterion="absolute_error" and no max_feature.**

We also noted that using the **max_features** parameter with **sqrt** and **log2 gives** the same value.

Random Forest Regressor	**R2 Value**	**n_estimators=10**	**bootstrap**	**max_features**	***criterion***			
					squared_error	*friedman_mse*	*absolute_error*	*poisson*
			TRUE	*sqrt*	0.519141	0.527283	0.721083	0.752059
				log2	0.519141	0.527283	0.721083	0.752059
				None	0.925277	0.920668	0.928182	0.930486
			FALSE	*sqrt*	0.723682	0.720772	0.837671	0.690129
				log2	0.723682	0.720772	0.837671	0.690129
				None	0.946276	0.947389	**0.96785**	0.938368
		n_estimators=100	**bootstrap**	**max_features**	***criterion***			
					squared_error	*friedman_mse*	*absolute_error*	*poisson*
			TRUE	*sqrt*	0.75915	0.760859	0.78574	0.771764
				log2	0.75915	0.760859	0.78574	0.771764
				None	0.946004	0.94127	0.945909	0.941388
			FALSE	*sqrt*	0.786673	0.791033	0.811225	0.756171
				log2	0.786673	0.791033	0.811225	0.756171
				None	0.945079	0.946698	0.96618	0.940463
		n_estimators=1000	**bootstrap**	**max_features**	***criterion***			
					squared_error	*friedman_mse*	*absolute_error*	*poisson*
			TRUE	*sqrt*	0.7967	0.796316	0.815091	0.781925
				log2	0.7967	0.796316	0.815091	0.781925
				None	0.940189	0.940515	0.941888	0.939732
			FALSE	*sqrt*	0.783108	0.781911	0.832666	0.781809
				log2	0.783108	0.781911	0.832666	0.781809
				None	0.947994	0.948404	0.965295	0.940698