Models	Without PCA			PCA (5 components)		
	MSE	R^2	MAPE	MSE	R^2	MAPE
Linear Regression	10.16	-0.00	6.38%	9.71	0.04	6.30%
Lasso Regression	10.64	-0.01	6.57%	10.17	0.00	6.38%
Decision Tree	11.53	-0.09	6.69%	10.45	-0.03	6.57%
Random Forest	**9.41**	**0.07**	**6.27%**	9.67	0.05	6.32%
Ridge	10.60	0.00	6.65%	9.95	0.02	6.48%
ElasticNet	10.41	0.02	6.57%	10.17	0.00	6.38%
SVR	10.23	-0.01	6.42%	10.24	-0.01	6.42%
Bayesian Ridge	10.17	0.00	6.38%	10.20	-0.01	6.44%
Gradient Boosting	9.97	0.02	6.42%	10.84	-0.07	6.74%
Lasso Lars	10.17	0.00	6.38%	10.18	0.00	6.41%
Lars	10.64	-0.01	6.57%	9.95	0.02	6.48%
AdaBoost	11.10	-0.05	6.52%	**9.55**	**0.06**	**6.28%**

Models	Without PCA			PCA (5 components)		
	MSE	R^2	MAPE	MSE	R^2	MAPE
Linear Regression	600400.27	0.01	17.85%	602786.91	0.01	17.58%
Lasso Regression	809576.62	0.00	21.79%	606748.22	0.00	17.61%
Decision Tree	798576.62	0.01	21.57%	642453.51	-0.06	18.60%
Random Forest	673434.06	-0.11	18,71%	685801.38	-0.13	18.53%
Ridge	779860.59	0.03	21.29%	622814.65	-0.03	17.81%
ElasticNet	805652.41	0.00	21.52%	614590.82	-0.01	17.72%
SVR	661599.95	-0.09	18.24%	636115.22	-0.05	17.94%
Bayesian Ridge	**591150.94**	**0.03**	**17.56%**	**591923.27**	**0.03**	**17.57%**
Gradient Boosting	615169.00	0.02	17.94%	644217.55	-0.06	18.41%
Lasso Lars	627916.94	-0.33	18.21%	622582.18	-0.02	17.81%
Lars	831396.92	-0.03	22.05%	622791.61	-0.03	17.81%
AdaBoost	793464.37	0.02	23.31%	647898.54	-0.07	18.49%

Models	Without PCA			PCA (5 components)		
	MSE	R^2	MAPE	MSE	R^2	MAPE
Linear Regression	107236125.48	0.01	27.88%	107373204.57	0.02	27.97%
Lasso Regression	127745308.26	0.12	36.57%	103388230.49	0.02	27.22%
Decision Tree	134777212.87	0.18	38.00%	**98501105.80**	**0.07**	**26.34%**
Random Forest	**95390644.86**	**0.10**	**25.69%**	107056102 1.26	0.01	27.54%
Ridge	127064172.96	0.11	35.70%	106784938.14	0.01	27.62%
ElasticNet	119845469.73	0.05	35.21%	103690201.94	0.02	27.24%
SVR	106589283.16	0.01	27.52%	106614398.08	0.01	27.54%
Bayesian Ridge	107221952.93	0.01	27.88%	107221946.63	0.02	27.88%
Gradient Boosting	96605006.46	0.09	26.19%	99717999.88	0.06	26.52%
Lasso Lars	107233510.81	0.02	27.88%	103450924.98	0.02	27.17%
Lars	126196026.94	0.11	36.11%	106815493.01	0.01	27.63%
AdaBoost	148137256.36	0.30	38.73%	98205464.34	0.07	26.76%

Chloe

Model	Red bw	IR bw	MSE	R2	MAPE
Gradient Boosting	735	1084	8.3	0.03	5.28%
Gradient Boosting	738	1093	8.29	0.03	5.30%
Gradient Boosting	730	1084	8.28	0.03	5.30%
Gradient Boosting	730	1094	8.29	0.03	5.30%
Random Forest	737	1084	8.31	0.03	5.30%
Random Forest	680	1665	8.68	-0.01	5.53%
Random Forest	650	1067	8.49	0.01	5.54%
Random Forest	642	764	8.59	0	5.54%
Random Forest	677	937	8.52	0	5.55%
Forest	637	1300	8.53	0	5.55%

P

Model	Red bw	IR bw	MSE	R2	MAPE
ElasticNet	660	1426	672150.97	0.06	16.51%
ElasticNet	661	1426	672136.34	0.06	16.51%
ElasticNet	659	1426	672216.12	0.06	16.51%
ElasticNet	658	1426	672347.03	0.06	16.51%
ElasticNet	657	1426	672455.44	0.06	16.51%
Random Forest	642	764	679799.94	0.01	19.96%
Random Forest	680	1665	706177.95	-0.03	20.01%
Random Forest	637	1300	702782.86	-0.03	20.25%
Ridge	740	750	745210.37	-0.09	20.39%
Ridge	740	751	745749.16	-0.09	20.40%

K

Model	Red bw	IR bw	MSE	R2	MAPE
ElasticNet	661	1426	105099723.87	-0.03	24.94%
ElasticNet	660	1426	105110232.58	-0.03	24.94%
ElasticNet	657	1426	105119786.92	-0.03	24.94%
ElasticNet	659	1426	105120528.25	-0.03	24.94%
ElasticNet	658	1426	105125719.86	-0.03	24.94%
SVR	625	750	110605690.54	-0.04	30.89%
SVR	625	750	110605690.54	-0.04	30.89%
Ridge	740	755	113855424.25	-0.07	30.93%
Ridge	740	756	113875397.26	-0.07	30.93%
Ridge	740	752	113922615.78	-0.07	30.94%