

Google Play Store Apps Prediction

Project Report Table Submitted for-

Statistical Learning Theory Course Project

Submitted by-

Pratyush Parashar (201020441)

Vikalp Kumar Tripathi (201020258)



Dr. Shyama Prasad Mukherjee

International Institute of Information Technology, Naya Raipur

(A Joint Initiative of Govt. of Chhattisgarh and NTPC)

Table FILL UP WITH ALL THE DETAILS OF VALUES OF ALL THE TASKS WHICH WE HAVE PERFORMED

Method/ Predictor	Linear Regression			Multiple Linear Regression								Polynomial Regression										Regularization					
												P1					P2					Ridge			Lasso		
	P= 0	P1	P2	P1+P2		Y = $\beta_0 + \beta_1 P1 + \beta_2 P2 + \dots + \beta_n Pn$						1	2	3	4	5	1	2	3	4	5	P 1	P 2	P 3	P 1	P 2	P 3
Intercept	4.581	4.194	4.194	4.194		4.213						4 .1 1	4 .1 1	4 .2 2	4 .2 2	4 .2 2	4 .1 1	4 .2 2	4 .2 2	4 .3 3	4 .3 3	4. 1	4. 1	4. 1	4. 1	4. 1	4. 1
Coefficient	0.0	0.035	0.024	0.031	.004	.02	.028	0.0 04	0.1 14	-.02	0.00 234	0. 03	0 .1 1 , - 0 .5	0. 1, -0 .2, 0 .00 5	0. 8 1 , - 1 .6 7 , 4 .7 , - 9 .7	4 .1 5 .2	0. 02	0. 15 , - 0. 01 3	0 .3 7 - 0 0 7 , 0 .4	0 .7 7 - 0 0 1 7 - 0 0 9	0 .7 3 - 0 1 0 0 3	0. 0 3	0. 0 2	0. 0 3	0. 0 3	0. 0 2	0. 0 3
R ²	0.001	0.002	0.002	0.002		0.011						0 .0 0 3	0 .0 1	0 .0 1	0 .0 1	0 .0 1	0 .0 1	0 .0 1	0 .0 1	0 .0 1	0 .0 1	0. 5	0. 3	0. 9	0. 5	0. 3	0. 5
MAE	0.563	0.568	0.568	0.568		0.562						0 .1	0 .1	0 .1	0 .1	0 .1	0 .1	0 .1	0 .1	0 .1	0 .1	0. 5	0. 5	0. 5	0. 5	0. 5	0. 5

100		Coefficient	0.0	0.03	0.02	0.03	0.004	0.03	0.02	0.03	0.02	-0.01	0.03	0.03	0.03	0.003	0.002	0.003	0.003	0.002	0.003
		R²	0.001	0.002	0.002	0.002	0.012							0.002	0.002	0.002	0.002	0.007	0.002	0.002	0.003
		MAE	0.563	0.56	0.54	0.568	0.562							0.56	0.54	0.005	0.004	0.006	0.006	0.004	0.006
		MSE	0.230	0.24	0.24	0.248	0.246							0.24	0.24	0.002	0.004	0.004	0.007	0.004	0.007
		RMSE	0.479	0.49	0.49	0.498	0.496							0.49	0.49	0.004	0.009	0.004	0.009	0.004	0.009
	0.01	Intercept	4.581	3.63	3.63	3.63	3.637							3.63	3.63	3.006	3.003	3.003	3.003	3.003	3.003
		Coefficient	0.0	0.06	0.11	-0.415 , 0.42	0.2,-0.22,-0.04,0.02,0.07,-0.4							0.06	0.11	0.006	0.001	-0.005	0.006	0.001	-0.005
		R²	0.001	-1.15	-1.17	-1.508	-1.908							-1.15	-1.17	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
		MAE	0.563	0.80	0.81	0.823	0.843							0.80	0.81	0.008	0.008	0.008	0.008	0.008	0.008
		MSE	0.230	0.535	0.54	0.624	0.723							0.535	0.54	0.003	0.004	0.004	0.003	0.004	0.003

	0.001	RMSE	0.479	0.732	0.736	0.79	0.850	0.732	0.736	0.7732	0.7736	0.779	0.7850	0.7732	0.7736
		Intercept	4.581	0.76	0.76	0.7609	0.7609	0.76	0.76	0.776	0.776	0.77609	0.77609	0.776	0.776
		Coefficient	0.0	-1.7	0.992	-0.114 , 1.083	0.78 , 0.89 , 0.57 , 1.01 , 0.01 , -0.68	-1.7	0.992	-0.1147	0.899	0.570	1.017	0.012	-0.689
		R ²	0.001	-60.02	-50.52	-50.594	-69.548	-60.02	-50.52	-60.022	-50.522	-50.594	-69.548	-60.022	-50.523
		MAE	0.563	1.84	1.878	1.878	1.922	1.84	1.878	1.844	1.878	1.878	1.922	1.848	1.878
		MSE	0.230	15.2	12.81	12.834	17.549	15.2	12.81	15.22	12.811	12.834	17.549	15.22	12.814
		RMSE	0.479	3.89	3.58	3.582	4.189	3.89	3.58	3.899	3.588	3.582	4.189	3.899	3.583
	0.5	Intercept	4.581	4.19	4.19	4.194	4.194	4.19	4.19	4.191	4.191	4.194	4.194	4.191	4.191
		Coefficient	0.0	0.03	0.02	0.03 , 0.0046	0.02 , 0.028, 0.004, 0.029, -0.017,0.002	0.03	0.02	0.033	0.022	0.033	0.022	0.033	0.023
		R ²	0.001	0.002	0.002	0.002	0.012	0.002	0.002	0.0022	0.0027	0.0022	0.0122	0.0022	0.0027

		MAE	0.563	0.568	0.568	0.568	0.562	0.568	0.568	0.5568	0.556	0.556	0.556	0.555	0.555	
		MSE	0.230	0.248	0.248	0.248	0.246	0.248	0.248	0.2448	0.244	0.247	0.248	0.248	0.244	0.247
		RMSE	0.479	0.498	0.498	0.498	0.496	0.498	0.498	0.4948	0.499	0.497	0.498	0.498	0.494	0.497
	0.05	Intercept	4.581	4.193	4.193	4.1939	4.1939	4.193	4.193	4.1931	4.1993	4.193	4.193	4.193	4.191	4.191
		Coefficient	0.0	0.033	0.023	0.008 , 0.026	0.02,0.029,0.002,0.029,-0.017,0.0019	0.033	0.023	0.0333	0.0223	0.0239	0.023	0.023	0.022	0.0239
		R²	0.001	0.002	0.002	0.002	0.012	0.002	0.002	0.0020	0.0020	0.0027	0.002	0.002	0.0022	0.0027
		MAE	0.563	0.568	0.568	0.568	0.562	0.568	0.568	0.5658	0.566	0.566	0.568	0.568	0.566	0.566
		MSE	0.230	0.248	0.248	0.248	0.246	0.248	0.248	0.2428	0.244	0.247	0.248	0.248	0.244	0.247
		RMSE	0.479	0.498	0.498	0.498	0.496	0.498	0.498	0.4948	0.499	0.497	0.498	0.498	0.494	0.497

	0.005	Intercept	4.581	2.658	2.658	2.6589	2.6589	2.658	2.658	2. 6 5 8	2. 6 5 8	2. 6 5 8	2. 6 5 8	2. 6 5 8	2. 6 5 8
		Coefficient	0.0	-0.27	0.28	0.361 , -0.316	0.41,0.15,-0.21,0.59,-0.63,0.291	-0.27	0.28	- 0. 2 7	0. 2 8	- 0. 1 7	- 0. 2 7	0. 2 8	- 0. 1 7
		R ²	0.001	-9.58	-9.46	-9.44	-12.539	-9.58	-9.46	- 9. 5 8	- 9. 4 6	- 9. 3 9	- 9. 5 8	- 9. 4 6	- 9. 3 9
		MAE	0.563	1.241	1.247	1.244	1.271	1.241	1.247	1. 2 4 1	1. 2 4 7	1. 2 4 1	1. 2 4 7	1. 2 4 4	1. 2 4 1
		MSE	0.230	2.633	2.604	2.598	3.368	2.633	2.604	2. 6 3 3	2. 6 0 4	2. 5 8 7	2. 6 3 3	2. 6 0 4	2. 5 8 7
		RMSE	0.479	1.623	1.614	1.612	1.835	1.623	1.614	1. 6 2 3	1. 6 1 4	1. 6 0 8	1. 6 3 3	1. 6 1 4	1. 6 0 8
	1	Intercept	4.581	1.10	-1.66	-3.055	5.2402	1.10	-1.66	1. 1 0 0	- 1. 6 6	- 5. 0 9	1. 1 0 0	- 1. 6 6	- 5. 0 9
		Coefficient	0.0	-0.58	0.37	-4.241 , -4.2419	1.27,1.02,1.18,-1.99,-1.007,-1.959	-0.58	0.37	- 0. 5 8	0. 3 7	0. 3 6	- 0. 5 8	0. 3 7	0. 3 6
		R ²	0.001	- 71.53	- 70.46	-2527760	-364124097658	-71.53	-70.46	-7 1. 5 3	-7 0. 4 6	-7 0. 0 9	-7 1. 5 3	-7 0. 4 6	-7 0. 0 9

		MAE	0.563	2.043	2.043	15243572	37619298710	2.043	2.043	2. 0 4 3	2. 0 4 3	2. 0 4 3	2. 0 4 3	2. 0 4 3	2. 0 4 3
		MSE	0.230	18.04	17.77	628769936	905743559400828	18.04	17.77	1 8. 0 4	1 7. 7 7	1 7. 7 6 3	1 8. 0 4	1 7. 7 7	1 7. 7 6 3
		RMSE	0.479	4.248	4.216	7929521	3009557375098	4.248	4.216	4. 2 4 8	4. 2 1 6	4. 2 2 5	4. 2 4 8	4. 2 1 6	4. 2 1 5

Iterations	Learning Rate														
500	0.1	Intercept	4.581	4.194	4.194	4.194	4.194	4.194	4.194	4. 1 9 4	4. 1 9 4	4. 1 9 4	4. 1 9 4	4. 1 9 4	4. 1 9 4
		Coefficient	0.0	0.03	0.02	0.03 , 0.004	0.02,0.028,0.004,0.029,-0.017,-0.015	0.03	0.02	0. 0 3	0. 0 2	0. 0 3	0. 0 3	0. 0 2	0. 0 3
		R²	0.001	0.002	0.002	0.002	0.012	0.002	0.002	0. 0 0 2	0. 0 0 2	0. 0 0 7	0. 0 0 2	0. 0 0 2	0. 0 0 7
		MAE	0.563	0.568	0.568	0.568	0.562	0.568	0.568	0. 5 6 8	0. 5 6 8	0. 5 6 6	0. 5 6 8	0. 5 6 6	0. 5 6 6

		Coefficient	0.0 9	0.29 4	- 0.049	0.296 , 0.1009	0.47,0.03,-0.76,0.2,0.14, 0.38	0.29	-0.049	0. 2 9	- 0. 0 4 9	0. 3 5	0. 2 9	- 0. 0 4 9	0. 3 5
		R²	0.001 6	- 9.561	- 9.314	-9.764	-11.675	-9.561	-9.314	- 9. 5 6 1	- 9. 3 1 4	- 9. 6 5 3	- 9. 5 6 1	- 9. 3 4	- 9. 6 5 3
		MAE	0.563 9	1.249 4	1.243 3	1.253	1.256	1.249	1.243	1. 2 4 9	1. 2 4 3	1. 2 2 4	1. 2 4 9	1. 2 4 3	1. 2 4 4
		MSE	0.230 7	2.627 5	2.565 6	2.678	3.153	2.627	2.565	2. 6 2 7	2. 5 6 5	2. 6 5 0	2. 6 2 7	2. 5 6 5	2. 6 5 0
		RMSE	0.479 1	1.621 2	1.602 0	1.636	1.776	1.621	1.602	1. 6 2 1	1. 6 0 2	1. 6 2 8	1. 6 2 1	1. 6 0 2	1. 6 2 8
	0.5	Intercept	4.581 9	4.19 4	4.194	4.19408	4.194	4.19	4.194	4. 1 9	4. 1 9 4	4. 1 9	4. 1 9	4. 1 9	4. 1 4
		Coefficient	0.0 3	0.03 2	0.023 3	0.03 , 0.004	0.02, 0.028, 0.004, 0.029, - 0.017, 0.002	0.03	0.023	0. 0 3	0. 0 2 3	0. 0 3	0. 0 3	0. 0 2 3	0. 0 3
		R²	0.001 2	0.002 2	0.002 7	0.002	0.012	0.002	0.002	0. 0 0 2	0. 0 0 2	0. 0 0 7	0. 0 0 2	0. 0 0 2	0. 0 0 7
		MAE	0.563 8	0.568 8	0.568 6	0.568	0.562	0.568	0.568	0. 5 6 8	0. 5 6 8	0. 5 6 6	0. 5 6 8	0. 5 6 8	0. 5 6 6

		MSE	0.230	0.248	0.248	0.248	0.246	0.248	0.248	0. 2 4 8	0. 2 4 8	0. 2 4 7	0. 2 4 8	0. 2 4 8	0. 2 4 7
		RMSE	0.479	0.498	0.498	0.498	0.496	0.498	0.498	0. 4 9 8	0. 4 9 8	0. 4 7	0. 4 9 8	0. 4 9 8	0. 4 7
0.05	Intercept	4.581	4.19	4.194	4.19408	4.194	4.19	4.194	4.194	4. 1 9	4. 1 9	4. 4	4. 1 9	4. 1 9	4. 4
	Coefficient	0.0	0.03	0.023	0.03 , 0.0046	0.02, 0.028, 0.0045, 0.029, - 0.017, 0.0023	0.03	0.023	0.023	0. 0 3	0. 0 2	0. 0 3	0. 0 3	0. 0 2	0. 0 3
	R²	0.001	0.002	0.002	0.002	0.012	0.002	0.002	0.002	0. 0 0 2	0. 0 0 2	0. 0 7	0. 0 0 2	0. 0 0 2	0. 0 7
	MAE	0.563	0.568	0.568	0.568	0.562	0.568	0.568	0.568	0. 5 6 8	0. 5 6 8	0. 5 6	0. 5 6 8	0. 5 6 8	0. 5 6
	MSE	0.230	0.248	0.248	0.248	0.246	0.248	0.248	0.248	0. 2 4 8	0. 2 4 8	0. 2 7	0. 2 4 8	0. 2 4 8	0. 2 7
	RMSE	0.479	0.498	0.498	0.498	0.496	0.498	0.498	0.498	0. 4 9 8	0. 4 9 8	0. 4 7	0. 4 9 8	0. 4 9 8	0. 4 7
	0.005	Intercept	4.581	4.166	4.166	4.16652	4.16652	4.166	4.166	4. 1 6 6	4. 1 6 6	4. 1 6	4. 1 6 6	4. 1 6 6	4. 1 6

		Coefficient	0.0	0.045	0.017	0.195 , -0.161	-0.18, 0.1, 0.167, 0.045, -0.027, 0.00041	0.045	0.017	0.0 0 4 5	0.0 0 1 7	0.0 0 3 6	0.0 0 4 5	0.0 0 1 7	0.0 0 3 6
		R²	0.001	0.003	0.003	-0.060	-0.051	0.003	0.003	0.0 0 0 3	0.0 0 0 3	0.0 0 0 8	0.0 0 0 3	0.0 0 0 3	0.0 0 0 8
		MAE	0.563	0.573	0.573	0.581	0.585	0.573	0.573	0.5 7 3	0.5 7 3	0.5 5 2	0.5 5 3	0.5 5 3	0.5 5 2
		MSE	0.230	0.248	0.248	0.264	0.262	0.248	0.248	0.2 4 8	0.2 4 8	0.2 2 7	0.2 4 8	0.2 2 8	0.2 4 7
		RMSE	0.479	0.498	0.498	0.513	0.511	0.498	0.498	0.4 9 8	0.4 9 8	0.4 9 7	0.4 9 8	0.4 9 8	0.4 9 7
1		Intercept	4.581	- 3.037	- 2.771	-7.1402	7.879	-3.037	-2.771	- 3. 0 3 7	- 2. 7 1	1. 4 2 3	- 3. 0 7 1	- 2. 7 1	1. 4 9 2
		Coefficient	0.0	-0.38	-0.37	-1.42 , -1.4205	2.56, 2.06, 2.37, -4.018, -2.015, 8.906	-0.38	-0.37	- 0. 3 8	- 0. 3 7	0. 8 2 7	- 0. 3 8	- 0. 3 7	0. 8 2 7
		R²	0.001	- 70.71	- 70.65	-70.8	-70.9	-70.71	-70.65	- 7 0. 7 1	- 7 0. 6 5	- 2. 4 1	- 7 0. 7 1	- 7 0. 6 5	- 2. 4 4
		MAE	0.563	2.043	2.043	2.043	2.043	2.043	2.043	2. 0 4 3	2. 0 4 3	2. 0 5	2. 0 3	2. 0 3	2. 0 5

		MSE	0.230	17.83	17.82	17.82	17.82	17.83	17.82	1 7. 8 3	1 7. 8 2	1 8. 2 6	1 7. 8 3	1 7. 8 2	1 8. 2 6
		RMSE	0.479	4.224	4.222	4.22	4.22	4.224	4.222	4. 2 2 4	4. 2 2 2	4. 2 7 4	4. 2 2 4	4. 2 2 2	4. 2 7 4

Iterations	Learning Rate														
1000	0.1	Intercept	4.581	4.19	4.194	4.194	4.19408	4.19	4.194	4.1 1 9	4.1 1 9 4	4.1 1 9 4	4.1 1 9 4	4.1 1 9 4	4.1 1 9 4
		Coefficient	0.0	0.03	0.023	0.03 , 0.0046	0.02,0.028 , 0.004, 0.029, - 0.017, -0.015,0.0023	0.03	0.023	0.0 0 3	0.0 0 3	0.0 0 3	0.0 0 3	0.0 0 3	0.0 0 3
		R²	0.001	0.002	0.002	0.002	0.012	0.002	0.002	0.0 0 2	0.0 0 2	0.0 0 7	0.0 0 2	0.0 0 2	0.0 0 7
		MAE	0.563	0.568	0.568	0.568	0.562	0.568	0.568	0.5 6 8	0.5 6 8	0.5 5 6	0.5 5 6	0.5 5 6	0.5 5 6
		MSE	0.230	0.248	0.248	0.248	0.246	0.248	0.248	0.2 4 8	0.2 4 8	0.2 2 7	0.2 2 8	0.2 2 8	0.2 2 7

		RMSE	0.479	0.498	0.498	0.498	0.496	0.498	0.498	0.4 9 8	0.4 9 8	0.4 9 7	0.4 9 8	0.4 9 8	0.4 9 7
	0.01	Intercept	4.581	4.194	4.194	4.194	4.194087	4.194	4.194	4.1 9 4	4.1 9 4	4.1 9 4	4.1 9 4	4.1 9 4	4.1 9 4
		Coefficient	0.0	0.033	0.023	0.03 , 0.00479	0.02, 0.028, 0.004, 0.029, - 0.01, 0.0023,-0.015	0.033	0.023	0.0 3 3	0.0 2 3	0.0 3 9	0.0 3 3	0.0 2 3	0.0 3 9
		R²	0.001	0.002	0.002	0.002	0.012	0.002	0.002	0.0 0 2	0.0 0 2	0.0 0 7	0.0 0 2	0.0 0 2	0.0 0 7
		MAE	0.563	0.568	0.568	0.568	0.562	0.568	0.568	0.5 6 8	0.5 6 8	0.5 6 6	0.5 6 8	0.5 6 8	0.5 6 6
		MSE	0.230	0.248	0.248	0.248	0.246	0.248	0.248	0.2 4 8	0.2 4 8	0.2 4 7	0.2 4 8	0.2 4 8	0.2 4 7
		RMSE	0.479	0.498	0.498	0.498	0.496	0.498	0.498	0.4 9 8	0.4 9 8	0.4 9 7	0.4 9 8	0.4 9 8	0.4 9 7
	0.001	Intercept	4.581	3.627	3.627	3.627614	3.627614	3.627	3.627	3.6 2 7	3.6 6 7	3.6 6 7	3.6 6 7	3.6 6 7	3.6 6 7
		Coefficient	0.0	0.336	0.023	-0.152 , 0.238	0.16, -0.18, 0.09, 0.096, 0.03, 0.02, 0.06	0.336	0.023	0.3 3 6	0.0 2 3	- 1 4	0.3 3 6	0.0 2 3	- 1 4

		R²	0.001	- 1.566	- 1.192	-1.279	-1.503	-1.566	-1.192	- 1. 5 6 6	- 1. 1 9 2	- 1. 1 3 3	- 1. 5 6 6	- 1. 1 9 2	- 1. 3 3
		MAE	0.563	0.832	0.814	0.820	0.831	0.832	0.814	0. 8 3 2	0. 8 1 4	0. 8 2 2	0. 8 3 2	0. 8 1 4	0. 8 2 2
		MSE	0.230	0.638	0.545	0.567	0.623	0.638	0.545	0. 6 3 8	0. 5 4 5	0. 5 8 8	0. 6 3 8	0. 5 4 5	0. 5 8 8
		RMSE	0.479	0.799	0.738	0.753	0.789	0.799	0.738	0. 7 9 9	0. 7 3 8	0. 7 6 9	0. 7 9 9	0. 7 3 8	0. 7 6 9
	0.5	Intercept	4.581	4.194	4.194	4.19408	4.19408	4.194	4.194	4. 1 9 4	4. 1 9 4	4. 1 9 4	4. 1 9 4	4. 1 9 4	4. 1 9 4
		Coefficient	0.0	0.033	0.023	0.03 , 0.00462	0.02, 0.028, 0.004, 0.029, - 0.017, 0.002, -0.015	0.033	0.023	0. 0 3 3	0. 0 2 3	0. 0 3 	0. 0 3 3	0. 0 2 3	0. 0 3
		R²	0.001	0.002	0.002	0.002	0.012	0.002	0.002	0. 0 0 2	0. 0 0 2	0. 0 0 7	0. 0 0 2	0. 0 0 2	0. 0 0 7
		MAE	0.563	0.568	0.568	0.568	0.562	0.568	0.568	0. 5 6 8	0. 5 6 8	0. 5 6 6	0. 5 6 8	0. 5 6 8	0. 5 6 6
		MSE	0.230	0.248	0.248	0.248	0.246	0.248	0.248	0. 2 4 8	0. 2 4 8	0. 2 4 7	0. 2 4 8	0. 2 4 8	0. 2 4 7

0.05	RMSE	0.479	0.498	0.498	0.498	0.496	0.498	0.498	0.4488	0.447	0.448	0.448	0.448
	Intercept	4.581	4.194	4.194	4.194087	4.194087	4.194	4.194	4.1994	4.199	4.199	4.199	4.199
	Coefficient	0.0	0.033	0.023	0.03 , 0.00462	0.02, 0.028, 0.004, 0.029, -0.017, 0.002, -0.015	0.033	0.023	0.033	0.023	0.033	0.023	0.033
	R²	0.001	0.002	0.002	0.002	0.012	0.002	0.002	0.002	0.002	0.002	0.002	0.002
	MAE	0.563	0.568	0.568	0.568	0.562	0.568	0.568	0.568	0.568	0.568	0.568	0.568
	MSE	0.230	0.248	0.248	0.248	0.246	0.248	0.248	0.248	0.248	0.248	0.248	0.248
	RMSE	0.479	0.498	0.498	0.498	0.496	0.498	0.498	0.4488	0.447	0.448	0.448	0.448
	0.005	Intercept	4.581	4.193	4.193	4.193906	4.193906	4.193	4.193	4.193	4.193	4.193	4.193

		Coefficient	0.0	0.033	0.023	0.041 , -0.0063	0.021, 0.027, 0.003, 0.029 , -0.016, 0.002, -0.015	0.033	0.023	0 . 0 3 3	0 . 0 2 3	0 . 0 3 9	0 . 0 3 3	0 . 0 2 3	0 . 0 3 9
		R²	0.001	0.002	0.002	0.002	0.012	0.002	0.002	0 . 0 0 2	0 . 0 0 2	0 . 0 0 7	0 . 0 0 2	0 . 0 0 2	0 . 0 0 7
		MAE	0.563	0.568	0.568	0.568	0.562	0.568	0.568	0 . 5 6 8	0 . 5 6 8	0 . 5 6 6	0 . 5 6 8	0 . 5 6 8	0 . 5 6 6
		MSE	0.230	0.248	0.248	0.248	0.246	0.248	0.248	0 . 2 4 8	0 . 2 4 8	0 . 2 4 7	0 . 2 4 8	0 . 2 4 8	0 . 2 4 7
		RMSE	0.479	0.498	0.498	0.498	0.496	0.498	0.498	0 . 4 9 8	0 . 4 9 8	0 . 4 9 7	0 . 4 9 8	0 . 4 9 8	0 . 4 9 7
	1	Intercept	4.581	-7.123	-1.065	-7.123	-7.123	-7.123	-1.065	- 7 . 1 2 3	- 1 . 0 6 5	8 . 8 8	- 7 . 1 0 3	- 1 . 0 6 5	8 . 8 8

		Coefficient	0.0	0.549	-0.511	-0.041 , -0.063	-0.02, 0.003, 0.02, 0.027, 0.0023, -0.016, -0.015	0.549	-0.511	0.549	-0.511	0.549	-0.511	0.549	-0.511
		R²	0.001	-71.083	-71.18	-72.24	-71.5	-71.083	-71.18	-71.083	-71.18	-71.083	-71.18	-71.083	-71.18
		MAE	0.563	2.048	2.043	2.043	2.043	2.048	2.043	2.048	2.043	2.048	2.043	2.048	2.043
		MSE	0.230	17.93	17.95	17.9	17.95	17.93	17.95	17.93	17.95	17.93	17.95	17.93	17.95
		RMSE	0.479	4.234	4.237	4.23	4.237	4.234	4.237	4.234	4.237	4.234	4.237	4.234	4.237