

var_smoothing	training accuracy	valid accuracy
1	0.4986	0.499
0.1	0.4988	0.4991
0.01	0.507	0.5063
0.001	0.5702	0.55
0.0001	0.6788	0.5722
1e-05	0.7744	0.5509
1e-06	0.7591	0.5359
1e-07	0.7481	0.5306
1e-08	0.7381	0.5278
1e-09	0.7268	0.5232

var_smoothing	training accuracy	valid accuracy	test accuracy	test precision	test recall	test F1
0.0001	0.6788	0.5722	0.5781	0.5515	0.867	0.6742