

### Insurance charges prediction using Boosting algorithm

	<b><u>Ada Boost</u></b>		
<b>Param</b>			<b>R2</b>
No			0.86
n_estimators=50	learning_rate = 2.0		0.86
n_estimators=50	learning_rate = 2.0	loss='linear'	0.87
	<b><u>XG Boost</u></b>		
<b>Param</b>			<b>R2</b>
No			0.82
n_estimators=50			0.86
n_estimators=50			0.87
n_estimators=10	max_depth =2		0.88
n_estimators=10	max_depth =1		0.89
	<b><u>LG Boost</u></b>		
<b>Param</b>			<b>R2</b>
			0.86
n_estimators=50			0.87
n_estimators=10	max_depth =2		0.89

The recommended model is XG or LG Boost which gives **R2 value is 0.89**