Boosting Algorithm

3.LG Boosting

LG Boosting

- LightGBM grows tree leaf-wise i.e. it grows vertically as compared to other algorithms which grow horizontally(level-wise growth)
- Also, while growing leaf-wise the loss can be reduced more effectively.
- The errors are minimized using the gradient-based method.

Why LightGBM?

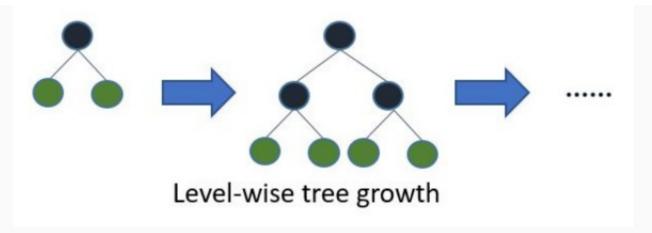
LightGBM is better because it supports GPU learning,

 It uses lesser memory and faster processing with large datasets and that's all we want.

• It is sensitive to smaller dataset so I suggest to use it only when you have around 10,000+ rows.

Difference in LightGBM and XGBoost

XGBoost:



LightGBM:

