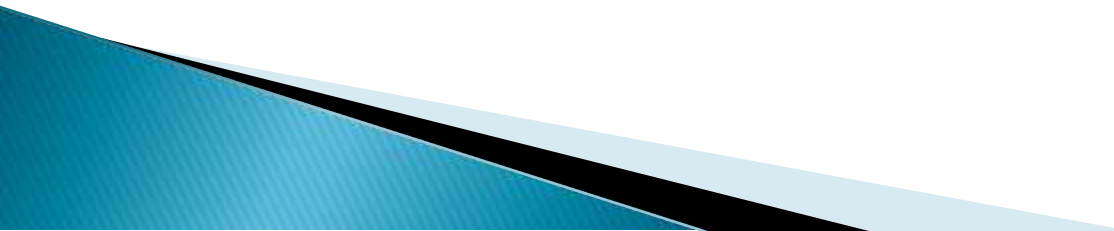


LG BOOSTING ALGORITHM

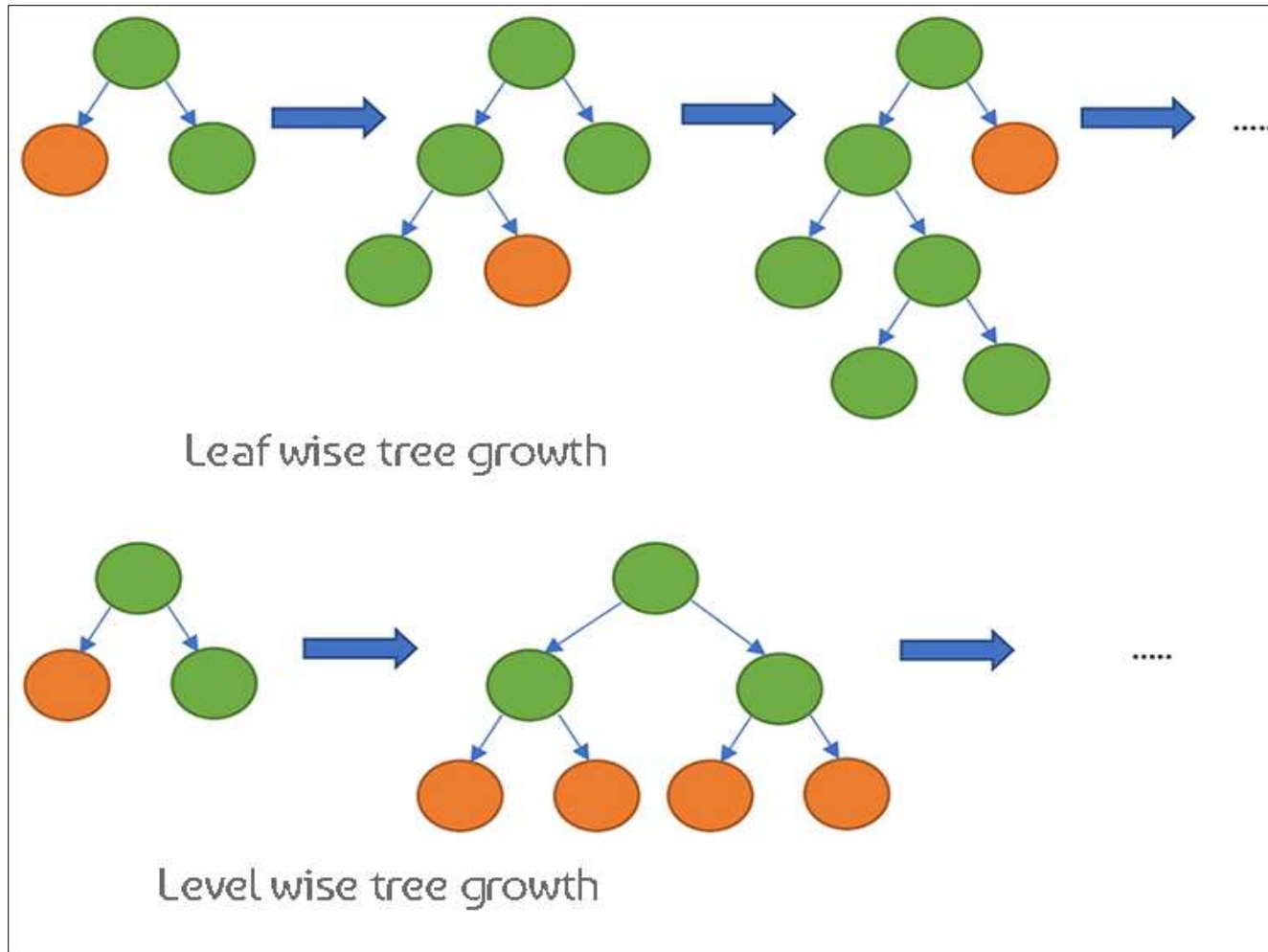
What is LG Boosting

- LG algorithm is nothing but the Light Gradient Boosting Machine.
- **Light GBM** is a **gradient boosting framework** based on decision tree algorithms.
- It's designed to be **highly efficient, scalable, and fast**, especially for **large datasets** and **high-dimensional features**.

Key features of LG Boosting

- Leaf-wise tree growth
 - Histogram-based learning
 - Gradient-based One-Side Sampling
 - Exclusive Feature Bundling
- 

How LG boost works



Use cases of LG boost:

LG boost are mainly used in following fields:

- Financial Services
- Healthcare
- Manufacturing and Predictive Maintenance
- Anomaly Detection

Pros and Cons of XG Boosting

- | | |
|--|--|
| <ul style="list-style-type: none">▶ Speed and Efficiency▶ Hardware Flexibility▶ Flexibility▶ Feature Importance | <ul style="list-style-type: none">▶ Complex Parameter Tuning▶ Less Mature Ecosystem▶ Risk of Over fitting▶ Not Ideal for Small Datasets |
|--|--|