

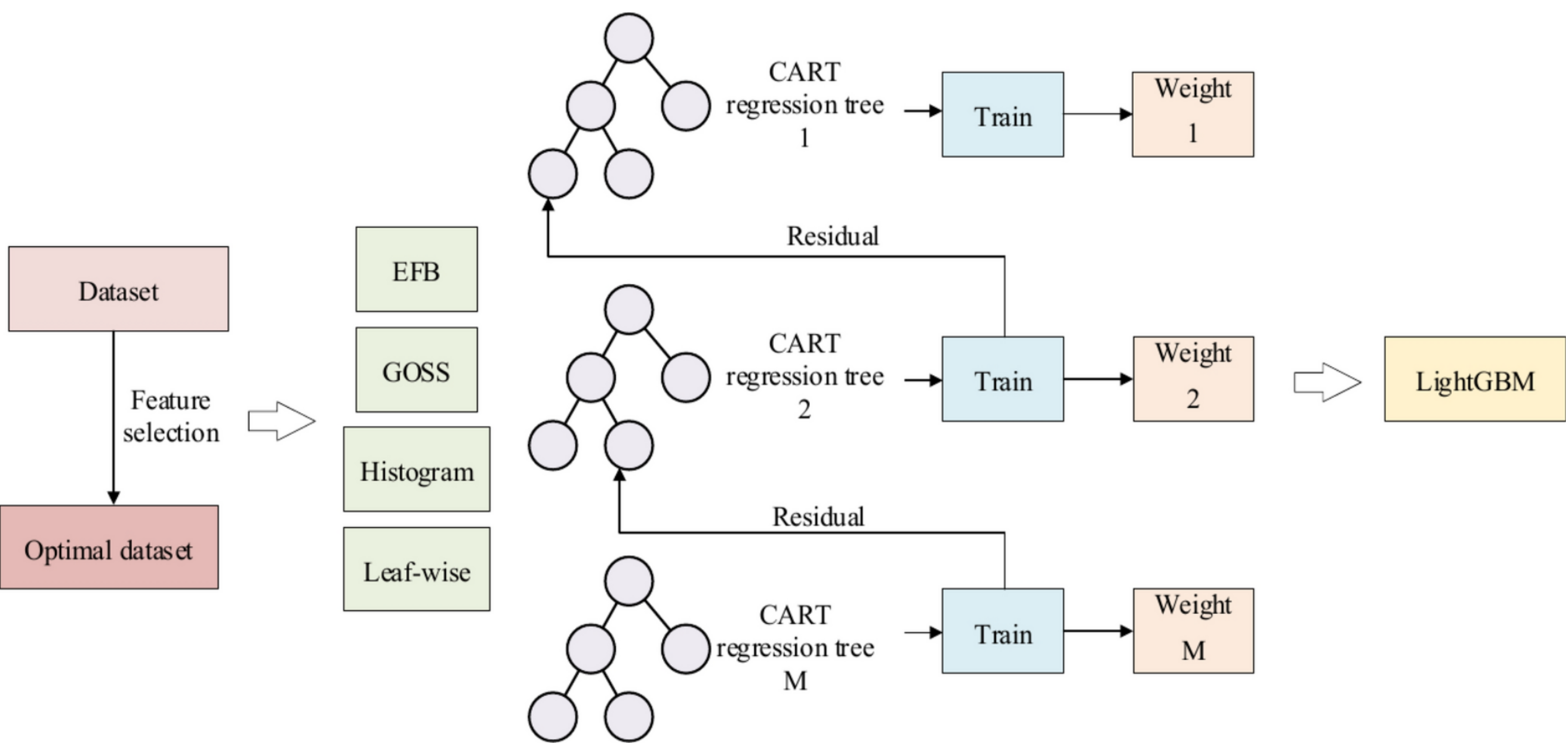
LightGBM

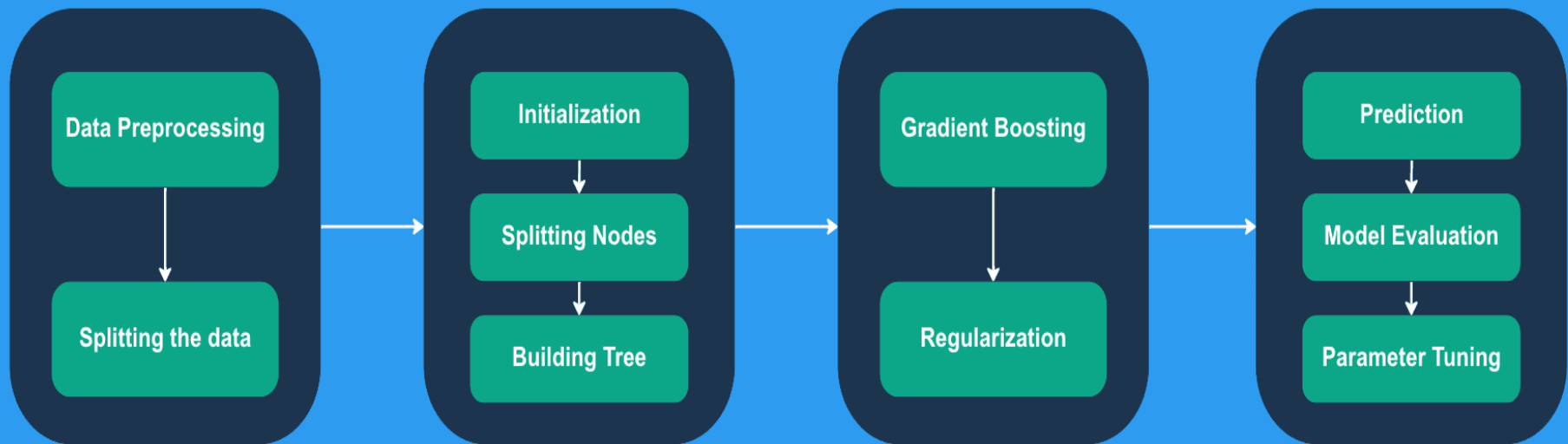
(Light Gradient Boosting Machine)

- Uses leaf-wise growth strategy
- Histogram based learning
- Optimized for speed and efficient memory usage
- Handles large datasets with millions of rows and columns
- Supports parallel and distributed computing
- Optimization techniques - Gradient-based One-Side Sampling & Exclusive Feature Bundling



Leaf-Wise Tree Growth





Steps In LightGBM Algorithm