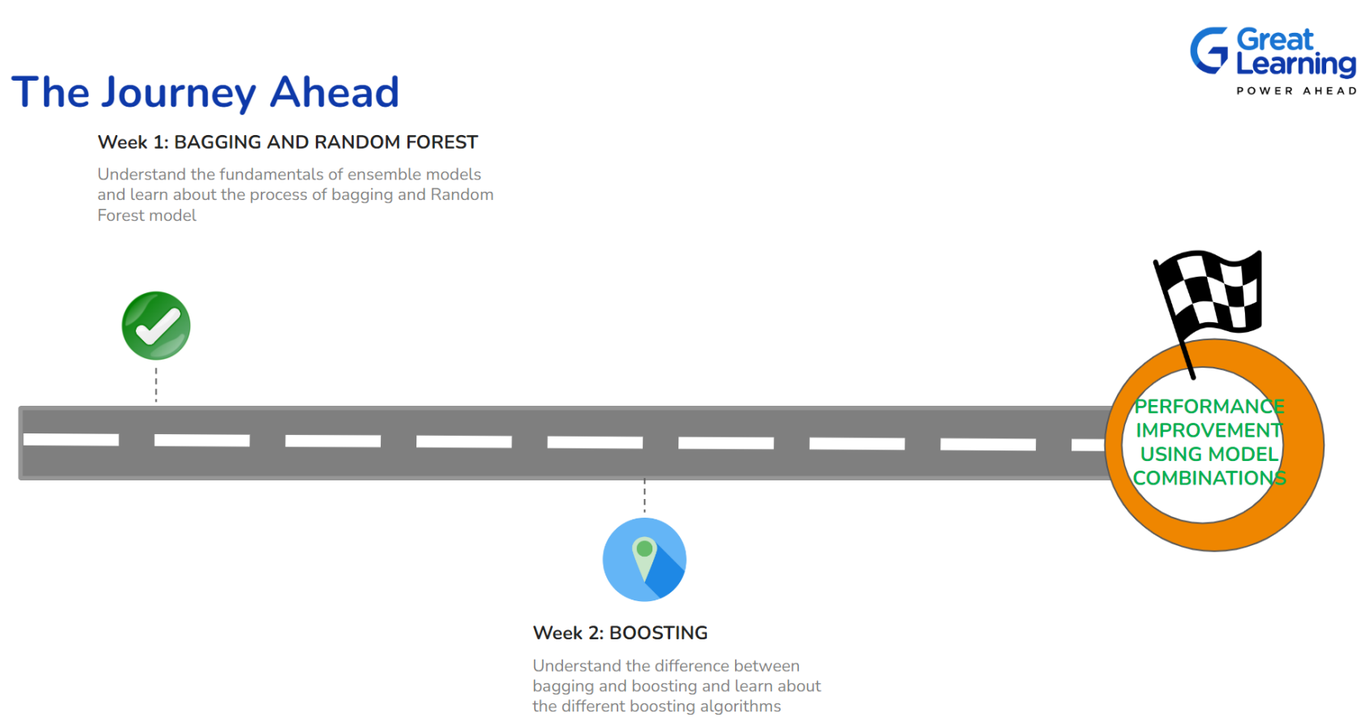
Overview - Boosting



QUICK RECAP

In the previous week, we learned about the foundations of Bagging and Random Forest. Let us quickly recap what we have covered so far.

- Introduction to Ensemble techniques
- Introduction to Bagging
- Sampling with replacement
- Introduction to Random Forest

COURSE OVERVIEW

Week	Module	Name of the Topic
1	Bagging and Random Forest	Introduction to Ensemble techniques Introduction to Bagging Sampling with replacement Introduction to Random Forest
2	Boosting	Introduction to Boosting Boosting algorithms like Adaboost, Gradient boost, and XGBoost Stacking

WEEK 2 OVERVIEW

This week, we will be learning about the difference between bagging and boosting and the various boosting algorithms. The following topics will be covered in this module:

- Introduction to Boosting
- Boosting algorithms like:
  - Adaboost
  - Gradient boost
  - XGBoost
- Stacking

LEARNING INSTRUMENTS

Week	Module	No. of videos	Total duration	No. of Test Your Understanding Quizzes	No. of Weekly Graded Quizzes	No. of Practice Assignments
2	Boosting	7	~1.5 hours	7	1	1

Note: It is recommended to spend at least 1 hour/day along with practicing datasets and quizzes.

Power Ahead!

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