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## Course Content

# Overview - K-Means Clustering

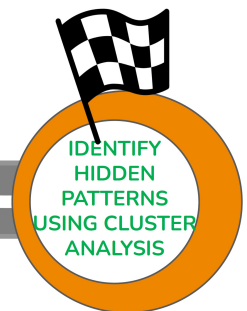
### Week 1: K-MEANS CLUSTERING

Understand how to group similar observations using K-Means. Pros and Cons of K-Means.



### Week 2: HIERARCHICAL CLUSTERING & PCA

Understanding how to group similar observation using Hierarchical Clustering. Understand how to get small number of variables from a huge data without losing information



## WEEK 1 OVERVIEW

This week, we will be learning about applying the K-Means clustering technique to group similar data points together and discover underlying patterns. The following topics will be covered in this module:

- Introduction to Clustering
- Types of Clustering
- K-means Clustering
- Importance of Scaling
- Silhouette Score and Visual Analysis of Clustering

LEARNING INSTRUMENTS

Week	Module	No. of videos	Total duration	No. of Test Your Understanding Quizzes	No. of Weekly Graded Quizzes	No. of Practice Exercises
1	K-Means Clustering	10	~1.5 hours	10	1	1

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

Power Ahead!

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