

SNS COLLEGE OF TECHNOLOGY



Coimbatore - 35

23BAT613 - Artificial Intelligence for Managers

Unit II - Unboxing ML & Its Applications



Presented by

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Design Thinker

Redesigning Common Mind & Business Towards Excellence







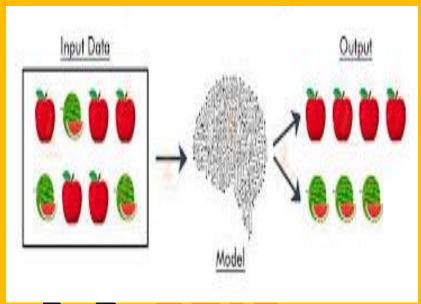
Build an Entrepreneurial Mindset through our Design Thinking FrameWork





Guess the Topic!!!

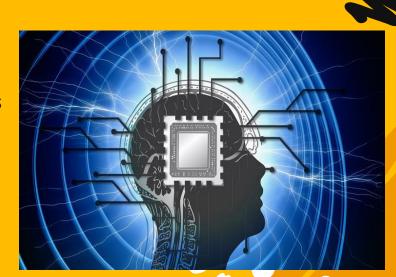
Unsupervised Learning







- Reason to study unsupervised Learning
- >Unsupervised Learning
- >Unsupervised Learning in Business
- ➤ Unsupervised Learning Process Flow
- Supervised Learning vs Unsupervised Learning

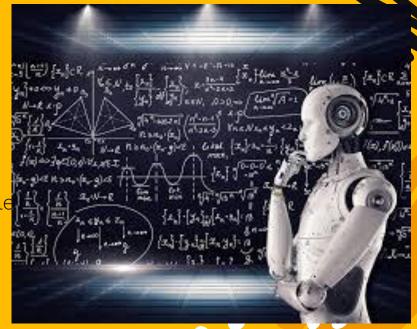




Discussion about....

SIS

- Reason to study unsupervised Learning
- Unsupervised Learning types
- Unsupervised Learning -Clustering
- >Unsupervised Learning Dimensionality Reduction
- Unsupervised Learning Association Rule
- Supervised Learning vs Unsupervised Learning

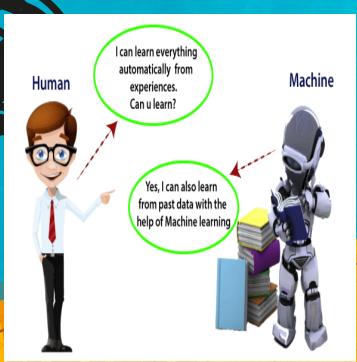


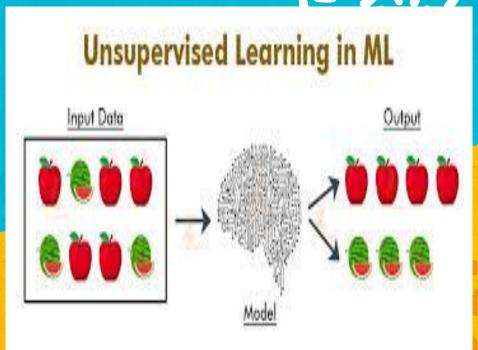


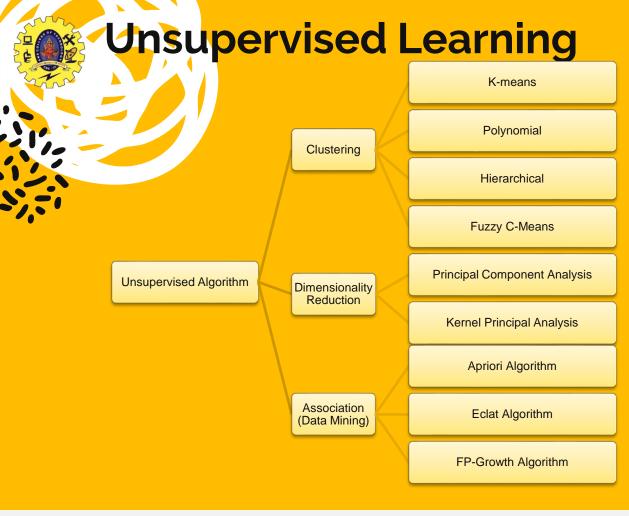


Reason to study Supervised Learning





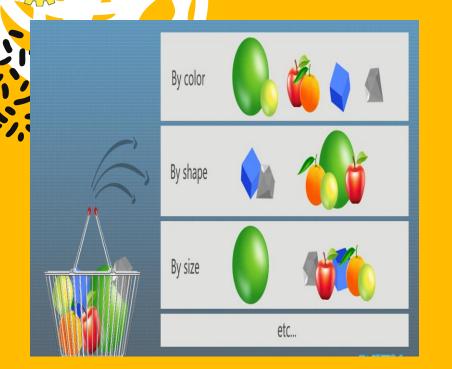


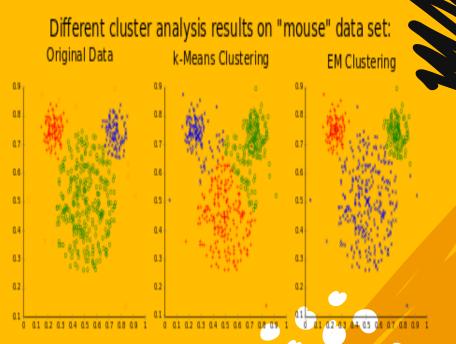






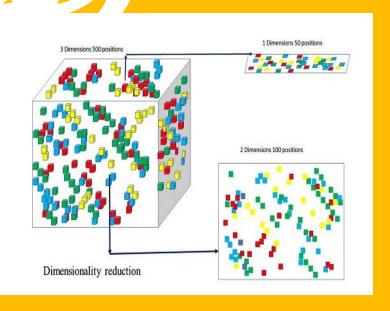
Unsupervised Learning - Clustering











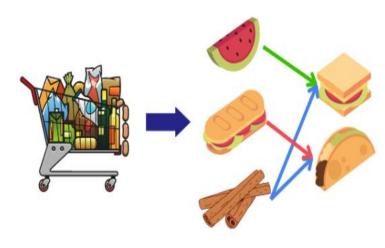




Unsupervised Learning Association Rule



Association Rule Learning



"93% of people who purchased item A also purchased item B"



Customer 1



Customer 2



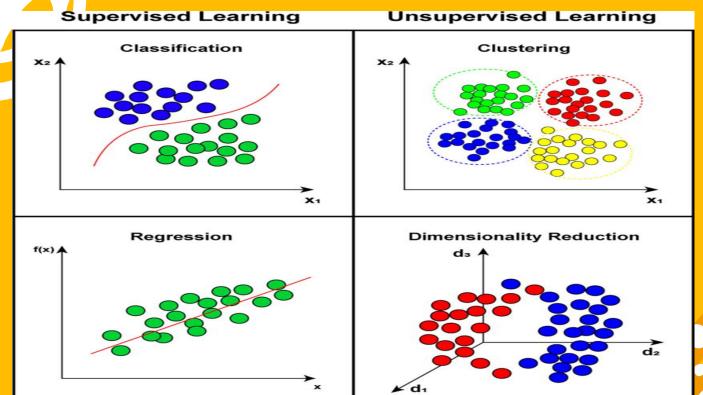
milk bread butter

Customer 3



Supervised Learning vs Unsupervised Learning





Knowledge Check



Which of the following is NOT a type of unsupervised learning?

- X A) Clustering
- X B) Dimensionality Reduction
- X C) Regression
- X D) Association Mining
- X Answer: Regression





Summary

Reason to study unsupervised Learning

- Unsupervised Learning types
- Unsupervised Learning -Clustering
- >Unsupervised Learning Dimensionality Reduction
- ➤ Unsupervised Learning Association Rule
- Supervised Learning vs Unsupervised Learning







- https://stl.tech/blog/introduction-to-machine-learning-and-its-applications/
- https://www.geeksforgeeks.org/types-of-machine-learning/





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Thanks!

