

Sales Engree	10 may
Practical No:- 4.	١
Title: Implementation of Market Basket Analysis.	
Objection	
To understand the concept of should be to the	
To understand the concept of Market Barket Analysis and its applications in the retail	
industry.	
A relation that something and we wissings	
Theory:	
- Market Basket Analysis is a data mining	
technique wed to identify associations or	
relationships between items bought together.	
It helps businesses undoustand customer	
purchasing behavior and improve product	
placement, cross-selling and inventory managemen	t.
for eq: If customers who buy bread also freque	ntly
buy butter, their rotationship can be captured	
using an association rule:	
Bread -> Butter.	
Ser Lawrence to the series and announce of	
Milk Bread Milk Butter	
Transaction 1 Transaction 2	
seins be armid to be shill be with a	
Bread Butter.	
Transaction 3	

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And the second s	
#	important terms in MBA : support - Indicated how frequently an itemsor of Applications
	appears in the dataset. Formula: - support (x) = (Transactions contained to product (Total) bransactions of a range to support (x) web Confidence - Measures the how often items in y contained to support (x) web appears in bransactions that contain x, to the support (x) to some support (x) Formula: - confidence (x -> y) = Support (x) Support (x) Total bransactions in y for a range of a ra
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(3)	Transactional MBA-Bared on purchase data from Pos system. Temporal MBA - considers the time based sequence of purchase, Multi-level MBA - Works on amuped categories like bairy -> Milk -> Skimmed Milk. Cross-category MBA -> Analyzes relationships between different product categories.
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