## F.EATURE ENCODING

Process of converting categosical data into numerical formal.

Impostant for handling features with string, label or category

All model require Feature Encoding

## TYPES OF FEATURE & ITS

## ENCODING

1) Nominal Feature: Categories w/o nany intrinsic order or ranking.

6.9=> Color: Red, Bue, Green Cities: New York, Delhi, Paris Countries: INDIA, Usa

Encoding Needed: (1) One-Hot Encoding

(1) Label Encoding

	PAGE NO.:
(11)	Ordinal Feature: Categories with a clear, meaning ful order or ranking
0	dear meaningful order or
	ranking.
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	E.g => Rating: Poor, Aug, Good, Execulent.  = Education: High School, B.E, Master
	= Education: High School, B.E, Master
	Income Bracket: Low Medium, High
Enco	Income Bracket: Low Medium, High ding Needed: Label or ordinal Encoding Binary Features: Features with only two possible value
	Binary features: features with only
	two possible value
	C 1 1 40 B) A C 1 A S A T C C C L L L
	E.g => Gender: Male or female
	Flag: True or false
	E.g => Gender: Male or female Flag: True or false Ans: Yes or No
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MRIDG	Encoding Directly represent by 1 Needed or 0:
	Needed or O.
	1 Label Encodeng
	MAN SINGER SAFE
(V)	High Cardinality feature: Features
	with large mo, of unique categories
	E.g => Product: 1001, 1002, 1003,
	TO

