

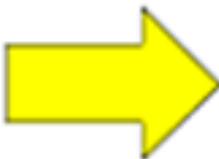


Ordered ordinal encoding

Ordered ordinal encoding: definition

- Categories are replaced by integers from 1 to k , where k is the number of distinct categories in the variable, but this numbering is informed by the mean of the target for each category.

Ordered ordinal encoding: example

Color		Target	Color
Red		0	2
Red		1	2
Yellow		1	1
Green		0	3
Yellow		1	1



Ordered ordinal encoding: Advantages

- Straightforward to implement
- Does not expand the feature space
- Creates monotonic relationship between categories and target



Ordered ordinal encoding: Limitations

- May lead to over-fitting



THANK YOU

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