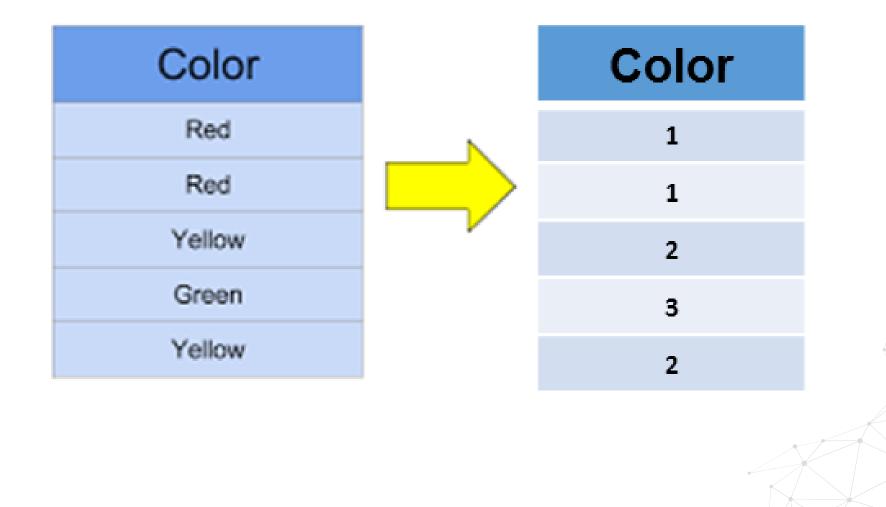


Label / integers encoding: definition

- Integer encoding consist in replacing the categories by digits from 1 to n (or 0 to n-1, depending the implementation), where n is the number of distinct categories of the variable.
- The numbers are assigned arbitrarily.
- This encoding method allows for quick benchmarking of machine learning models.



Label / integers encoding : example



Label / integers encoding: Advantages

- Straightforward to implement
- Does not expand the feature space
- Can work well enough with tree based algorithms



Label / integers encoding: Limitations

- Does not add extra information while encoding
- Not suitable for linear models
- Does not handle new categories in test set automatically





THANK YOU

www.trainindata.com