



Quiz M1.03

Question

How are categorical variables represented?

- a) categorical feature is only represented by non-numerical data
- b) categorical feature represents a finite number of values called categories
- c) categorical feature can either be represented by numerical or non-numerical values

Select all answers that apply

Question

An ordinal variable:

- a) is a categorical variable with a large number of different categories;
- b) can be represented by integers or string labels;
- c) is a categorical variable with a meaningful order.

Select all answers that apply

Question

One-hot encoding:

- a) encodes each column with string-labeled values into a single integer-coded column
- b) transforms a numerical variable into a categorical variable
- c) creates one additional column for each possible category
- d) transforms string-labeled variables using a numerical representation

Select all answers that apply

Question

Assume we have a dataset where each line describes a company. Which of the following columns should be considered as a meaningful **numerical feature** to train a machine learning model to classify companies:

- a) the sector of activity ("construction", "retail", "energy", "insurance" ...)
- b) the phone number of the sales department
- c) the number of employees
- d) the profits of the last quarter
- e) the post code of the head quarters

Select all answers that apply

[Join the full MOOC for better learning!](#)

Brought to you under a [CC-BY License](#) by [Inria Learning Lab](#), [scikit-learn @ La Fondation Inria](#), [Inria Academy](#), with many thanks to the [scikit-learn](#) community as a whole!