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STATISTICS FOR DATA SCIENCE

ASSIGNMENT 4

1. What are Categorical Variables and how to encode them?

Answer.

#### A variable that cannot assume a numerical value but can be classified into two or more nonnumeric categories is called a categorical variable. They can be encoded in many ways namely; Label Encoding which involves transforming nonnumeric labels to numeric labels, OneHot encoding which works by creating column for each category present in the feature and assigning them a 1 or 0 to indicate the presence of the category in the data.