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ACROSS

- 1 A tool used to handle missing values by filling them in a straightforward manner.
- 6 General method of converting data from one format to another, often categorical to numerical.
- 8 Measures how data points spread out from their average.
- 9 When one category greatly outnumbers another in a classification problem, this issue arises.
- 10 A method to reduce words to their root form, often used in natural language processing.
- 12 The process of converting text into numerical format for machine learning tasks.
- 13 When a model's predictions are consistently off in one direction, it has this issue.
- 14 A visual representation often used to display the relationship between two variables.
- 16 The process of creating new input attributes or modifying existing ones to improve model performance.

DOWN

- 1 Popular Python library for a range of machine learning algorithms; abbreviated.
- 2 A single unit, often a word or number, resulting from the process of breaking down text data.
- 3 This technique turns categorical data with a specific order into numeric format.
- 4 A statistical measure indicating the degree to which two variables move in relation.
- 5 Python library favored for data wrangling and analysis.
- 7 This technique transforms categorical data into a format where each category is represented by a unique binary column.
- 11 A technique to increase the number of instances in the minority class by replicating them
- 15 This value represents the average of a dataset.
- 17 Initial exploratory step in data analysis; abbreviated

