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NumPy, Pandas, and the Naive Bayes Theorem are crucial data tools and techniques used in data science and analysis. Here's a brief overview of their key features and applications:

- NumPy provides support for large, multi-dimensional arrays and matrices, along with a vast collection of mathematical functions. It allows for efficient data storage, computation, and integration with other libraries.

- Pandas is a versatile data manipulation and analysis library built on top of NumPy. It provides data structures, data cleaning and preparation functions, and data analysis and exploration operations.

- Naive Bayes is a probabilistic classification algorithm based on Bayes' theorem with an assumption of independence among features. It is widely used for text categorization, spam filtering, and sentiment analysis. It relies on probability theory, the independence assumption, and classification to estimate the probabilities of each class based on the available features.