Title :   Understanding Battery-Related Questions on Stack Overflow

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ABSTRACT

This study explores energy consumption challenges, focusing on battery-related issues faced by developers on Stack Overflow. Using a public Stack Overflow dataset hosted on Google BigQuery, the research employs K-means and HDBSCAN clustering algorithms, together with statistical analysis and visualization techniques, to extract meaningful insights. The study aims to identify the types of battery-related questions that are commonly discussed, those that are easy to answer, and those that remain unresolved due to a lack of accepted solutions. By analyzing these trends, the research seeks to provide a deeper understanding of the challenges developers encounter in this topic.

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