Machine Learning Abstract

When building a computer or server, one of the most critical decisions is selecting the appropriate amount and type of storage. This task can be simple if you know what you're doing. The two main options are SSD (Solid State Drives) and HD (Hard Drive), and each has its advantages. SSDs are much faster than HDs, but they are pricier. To help users choose the best option for their needs, I developed a program that considers their budget and desired speed. Using a list of approximately 70 data points I acquired including both SSDs and HDDs, I organized the data by type (1 for HD and 0 for SSD), and my program analyzes the dataset to determine the best storage type for the user. I found that if you have a higher budget and want faster speeds, you are more likely to choose an SSD. On the other hand, if you're more budget-oriented, an HD might be a better choice. These results are essential because properly budgeting the parts for any computer or server can help newcomers in this field. By selecting the appropriate storage type, users can optimize their system's performance and save money in the process. Ultimately, the decision between SSDs and HDs comes down to individual needs, and my program offers a personalized solution to this common problem in the tech industry.