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Survey Report

Success Sphere: Machine Learning for Startup Prognostication

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ABSTRACT

A start-up is a company that has an original concept. A lot of young people tend to come up with original concepts for this kind of business. Every year, many start-ups begin with ideas, but only a very small percentage of these ideas end up being long-lasting. There are several variables and factors that affect their survival. In order to determine if a start-up would be successful in the long run, we have developed a concept. We have employed machine learning classification algorithms to identify the best strategy for start-up success. To apply our methods, we used a dataset from Kaggle. To determine which method works best for this dataset, we used several algorithms such as Random Forest and Gradient Boosting. We were able to achieve an accuracy of around 94% with all of them. We found that this approach will assist newcomers in starting their businesses with a high likelihood of success in the future.

Keywords: Classification algorithms, Dataset, Accuracy, Percentage, Success.

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