Business Vision

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C964: Capstone

# Purpose

The purpose of this data project is to optimize the efficiency of the process of creating estimates for services in the Data Analysis and Machine Learning industry. It achieves this by allowing a single user to select from a list of parameters to match the project they are estimating and returns a prediction based upon their input. This allows for a better use of human resources and a process that took hours before in human research now only takes seconds using the application.

## Target User

The ideal user of this application is anyone who spends any portion of their time investigating competitive salary rates around the world for roles in data analytics or machine learning. This tool will enable them to save a great deal of valuable time.

## Business Objective

The business objective of this tool is twofold. The first purpose is to allow for more competitive bids so that the company may win more contracts for data analysis and machine learning projects. The second purpose of the project is to allow the business to save on human resources so that human time may be better allocated to less trivial and time-consuming tasks.

## Requirements

The product must be easy to use, have a pleasant interface, allow for a large variety of variables and options to be accounted for, and be accurate to within 20% on average of what the actual market value is. The product also must run locally on a user’s computer so there is no need for an internet connection or server overhead to run the program. There must be ample visualizations included in the product so that users have information available quickly in an easily digestible manner.

## Limitations

While the product is robust and extremely useful, there are some limitations. The product is not able to account for regions within countries such as a specific region or state within the United States of America. While it is useful when looking at pricing in small countries, large countries may require additional human intervention or verification to prove accuracy. Lastly, all information should be reviewed by a human with expertise in the field before being sent out as an actual bid for a project. This software is meant to be a tool to expedite and improve the estimate process, not a full replacement for a human worker with domain experience.