Statistical Analysis Tool

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| --- | --- | --- |
| **Task** | **Max Points** | **Comments** |
| Software Description | 30 |  |
| Need for the software | 15 |  |
| Comparison with existing solutions | 25 |  |
| Benefits / Goals of the software | 15 |  |
| Team Report | 20 |  |
| **Total** | **100** |  |

1. **Command Line Statistical Tool**
2. **Time Log**

|  |  |  |
| --- | --- | --- |
| **Team Member** | **Time (minutes)** | **Activities** |
| Anthony Nooren | 130 | 9/10 - Creating Document Layout  9/15 - System Request  9/15 - Team Report |
| Derek Van Den Bogart | 70 | 9/15 - Research  9/16 - System Request  9/16 - Team Report |
| Logan Thompson | 150 | 9/14 - Research  9/15 - System Request  9/15 - Team Report |

1. **Why are we creating System Request  
   Logan**: This deliverable/assignment gives us the understanding of how a software project begins. This assignment also gives us an understanding of how the initial research and development process begins for a software project.

**Anthony**: A system request documents are important in creating new software as it helps find what value in a business sense that this project has. If there is no value in a new software then it

does not make sense to create it. Also, it puts into writing what some of the key features a new piece of software has to be able to go back on when creating it.

**Derek**: Being able to understand the process of putting forth the idea for a new product/software is very important to any given company. Working for a metal working foundry IT department has put this idea into perspective for me already and its important for the company to be able to easily understand and evaluate why and how the suggested software will be upheld and implemented.

1. **Project Files**

|  |  |  |
| --- | --- | --- |
| **File Name** | **Path** | **Purpose** |
| A1-Group8-System Request | A1-Group8-System Request | Document containing our system request for our statistical analysis tool |

1. **Method / Process**

As a group conducted research on the major statistical topics, and used that information, as well as previous knowledge on the topic, to generate ideas for the main features of our statistical analysis tool. We combined our research together and created our requirements for our tool. Off that foundation of our project requirements we discussed and developed ideas about how we thought our tool could bring value to a business, organization, and an individual.

1. **Results**

As a group we produced a System request. Some problems we occured when creating this document was finding similar existing software to compare with. Many of the different tools available did different statistical analysis methods. Some success we found were finding the benefits that this tool has. Big data is very important today in the tech industry and analyzing data is important to many businesses.