

**DATA ANALYTICS SOFTWARE**

**Software Requirement Specification (SRS) Document**

**Sprint Implementation**

**Project Timeline: 21.11.2022 to 28.11.2022**

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**Introduction**: -

Data analysis software is **software that runs mathematical processes on large sets of data for statistical, qualitative, or predictive analysis**

* This software is often used by universities, healthcare organizations, industrial research and development departments, and highly technical companies with large data sets.

### Many software tools are used to implement Data Analytic Software(DAS)

* 1. **Purpose**: **-**Data analytics **helps individuals and organizations make sense of data**. Data analysts typically analyze raw data for insights and trends. They use various tools and techniques to help organizations make decisions and succeed
  2. .**Intended to understand: -**All the datatypes of columns present in metadata file
  3. **Intended Use: -**

Use the int and float

Operations of sum average min and max..

**1.4Scope: -**Data Analytics is fulfilling and offers ample scope for learning growth. Thorough knowledge of statistical techniques, quantitative capacity , business learning , logical thinking , Big Data, instruments to understand the accessible data , and asset management are some of the essential skills required to be a Data Analytics .

* Understanding the business situations and problem solving abilities are other skills required.

**2. Overall Description: -**

Give paths of existed CSV file and Metadata file.Given Incorrect paths for CSVfile and Metadata file.So,it will display the corresponding output

It has given output of the numerical operations(sum,average,max,min)

and ignores the string.

**2.1 Assumptions and Dependency: -**

* User must give the input in csv file
* User has the latest version of Ubuntu Linux installed.
* The service is used preferably on a desktop or laptop.

**3.System Features and Requirements: -**

**3.1 Functionality: -**

It will shows the sum average min and max of given numeric data in csv file and it ignores the string also if we have given in the csv file and it also understands the data types of columns present in the metadata file and it sows the details of that file in the output.

### ****3.2 System Requirements: -****

### ****3.2.1.**** Tools to be used:

* C File Handling
* C Language
* System Programming
* 2D Spreadsheet
* Csv file
* Metadata file

**3.3 System Features: -**

### Supportability: The system is easy to maintain.

* Design Constraints: The system is built using only C language

### Performance: The system will work on the ubuntu linux terminal.