Medico Private Limited
Business Requirements Document (BRD)

Medico Private limited

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3 Introduction

3.1 Project Summary

3.1.1 Objectives

- Enhancing client's business of Medical devices by making word cloud in R which provide details about the feedBack given by the customer
- There are two main goals of time series analysis using R: identifying the nature of the phenomenon represented by the sequence of observations
- forecasting (predicting future values of the time series variable).

3.1.2 Background

R programming language is necessary for simplifying the data analysis process for the client. Clients should be able to analyze all the data as and when required. Data analysis solutions that will be provided to the client will help in making the right decisions for the business and understand how to grow the business by improving cost efficiency. R automates the entire data analysis workflow to provide deeper, faster, and more comprehensive insights.

3.1.3 Business Drivers

- Client is looking for automation of the entire data analysis workflow to provide deeper ,faster and more comprehensive insight
- Through time series it Allows one to see what factors influence certain variables from period to period
- A quick and easy visualization option for highlighting the frequency of key words within text-based data, word clouds can spark ideas and conversations

3.2 Project Scope

The scope of the project is to analyze the data for marketing and opportunity processes. Clients will be able to use the analyzed data for different purposes like machine learning ,word cloud ,time series forecasting etc . The R programming language will help the client in analyzing the data and generating a result which is favorable to their business requirements.

time series is required to forecast the quantity of the object in advance to get the required estimation , so that the client can prepare their inventory in advance

3.2.1 Scope Functionality

- Automates the entire data analysis workFlow
- Creates wordCloud ,which gives an idea about the feedback
- Pattern recognition
- classification of data
- gives comprehensive insights
- predict sales in advance to adjust inventory

3.3 User Role

Role	Description
Data_Scientist	• Can create word cloud • Can use feedBack table of the snowflake • Can connect ODBC-64 bit to snowflake • Can create Time-Series Forecasting

3.4 System Perspective

3.4.1 Assumptions

- Data must be clean
- R and R-studio must be installed
- Must be connected with snowflake via ODBC driver

- All the required packages must be imported before running the code

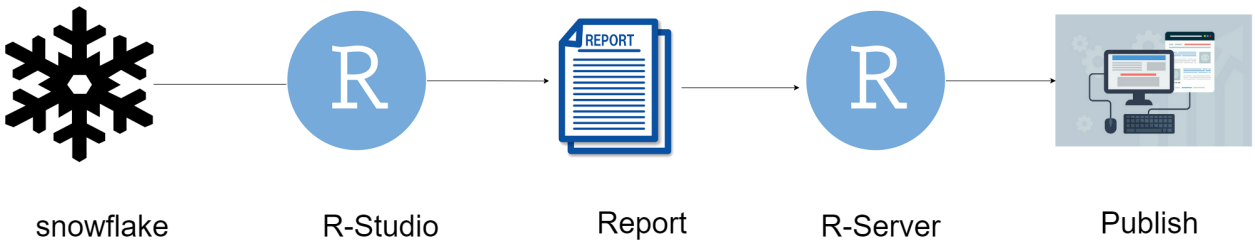
3.4.2 Constraints

- can only be used with transformed data (clean Data)
- Can only run in R-studio

4 Business Process Overview

- Client gets analyzed data
- Can create word cloud by connecting R-studio with the existing snowflake account via ODBC-64 bit driver
- Time Series Analysis Creates the Opportunity to Clean Your Data. ...
- Time Series Forecasting Can Predict the Future
- predict sales in advance to adjust inventory

4.1 Architecture



********** R— ARCHITECTURE **********

5 Business Requirements

The requirements in this project are prioritized as follows:

Value	Rating	Description
1	Critical	Most Urgent and most important requirements.

2	High	Urgent but not as critical requirements and important requirements
3	Medium	Important but not urgent requirements
4	Low	Low Important and not urgent requirements
5	Future	Future scope requirements.

5.1 Functional Requirements

Req#	Priority	Description	
FR-001	1	No need to perform things manually Automates the entire data analysis workFlow	
FR-002	2	Creates wordCloud ,which gives an idea about the feedback given by the customers	
FR-003	3	Memories are fragile and prone to error(Pattern recognition)	
FR-004	4	classification of data i.e classify the data into different classes	
FR-005	5	gives comprehensive insights	

5.2 Non-Functional Requirements

ID	Requirement
NFR-001	Scalability: There is no limitation on the Data size limit
NFR-002	Speed: Gives result of the transformation within 5 seconds
NFR-003	Reliability: Data analysis by R is highly secure hence data cannot be breached

6 Appendices

6.1 List of Acronyms

Not Applicable

6.2 Glossary of Terms

Not Applicable

6.3 Related Documents

Not Applicable