

# An Innovative User Guide for Procurement of Gift Articles using Visualization tool Tableau

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**Abstract :** With the globalization and increasing network, there are many events and occasions of friends, family, acquaintances etc. to attend. It is quite often that many of us think about gifts at the last moment and find it clumsy to figure out. By using Tableau, a data visualization tool, an application is made by us where one can identify the gift article stores based on their location; also get the list about all the available gifts and gifts sorted according to the occasion with all the necessary details.

**Index Terms - Tableau, visualization tool, gifts**

## I. INTRODUCTION

**Tableau** can help anyone see and understand their data. Connect to almost any database, drag and drop to create visualizations, and share with a click. A gift or present is an item given to someone with without expectation of payment or return. We do not have any existing model to get the list of stores and list of all the available gifts and gifts sorted based on the occasion from a single source. With the help of tableau, an application has been developed by us where we get all this information. This application has three features for use of the common people. Firstly, it locates the gift article stores near you. Secondly, it lists all the available gifts in and around that particular place from all the stores collectively. Finally it helps us to choose the gifts based on the occasion that are available near your location. A route map is available for generating a default route to visit the place with which the users can easily navigate without much difficulty with proper geographic coordinates.

## II. DATA COLLECTION:

Our application helps to get perfect idea about the gifts and the gift article stores. The store is identified by using Geographical location that specifies the east-west position of a point on the Earth's surface which are linked to the application to get full fledged data about a particular store that is chosen by a customer along with the detailed information like contact, location, their website as shown below. The attributes are as given below

Store Name	Latitude	Longitude	Address	Contact No.	URL
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Other attributes that we used, to list the gifts irrespective of the occasion and based on the occasion, are the following

GiftName	GiftType	Material	Description	Event	Age	Cost	StoreName
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### 2.1 Fields and Datatypes:

Store Name = varchar

Longitude = numeric

GiftName = varchar

Longitude = numeric

GiftType = varchar

Event = varchar

Address = varchar

Age = numeric

Contact No. = numeric

Cost = numeric

Material = varchar

Description = varchar

This tableau software consists of important tools such as file, dashboard, map and server.

**2.2 Dashboard:** A dashboard is a collection of several worksheets and supporting information shown in a single place so you can compare and monitor a variety of data simultaneously.

For example, you may have a set of views that you review every day. Rather than flipping through each worksheet, you can create a dashboard that displays all the views at once.

**2.3 File:** The new option will be used for creating a tableau file and load all the necessary attributes into it.

The tableau file will be saved with an extension “. tbsl”. These files can be of various types of formats of data like

Excel

Text file

Access

JSON file

Spatial file

Statistical file

More...

**2.4 Maps:** The application need to visualize the data geographically, we can plot the data on a map in Tableau.

**2.5 Server:** Tableau Server public is the option where the tableau application is linked with the web application to get the information. The Tableau Software is an online solution for sharing, distributing, and collaborating on content created in Tableau Shareable. We can create workbooks and views, dashboards, and data sources in Tableau Desktop, and then publish this content to the server.

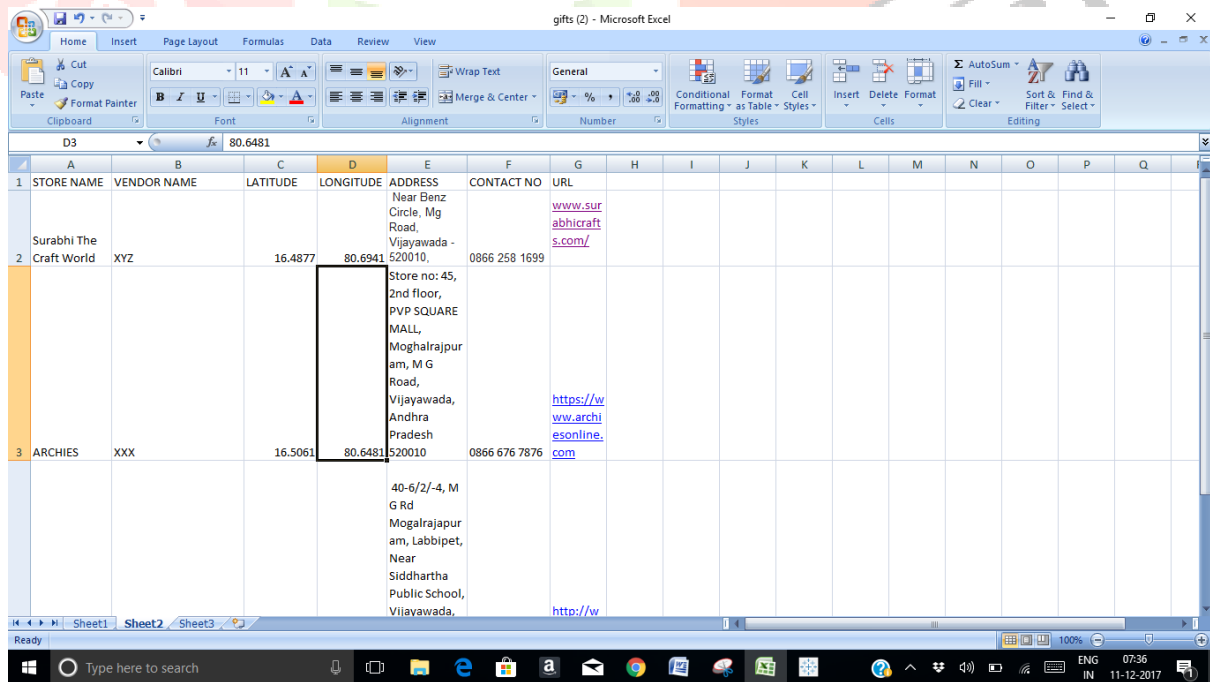
**III. DATA PREPROCESSING:**

Latitude and Longitude are known in every location on earth’s surface.

Latitude is a measurement on a map of location north (or) south.

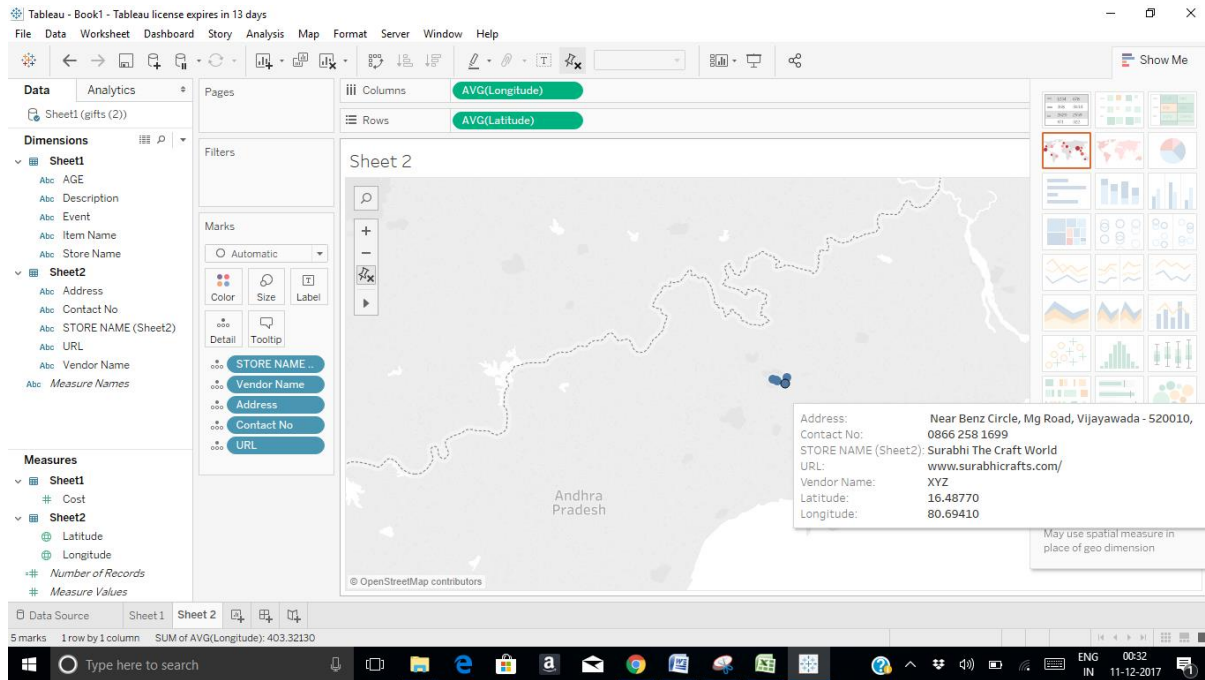
Longitude is a measurement on a map of location east (or) west.

By taking this Latitude and Longitude it is used to spot a particular location at the tourist spot by this application which is presented.



#### IV. EXPERIMENTAL RESULTS AND DATA VISUALIZATION

This is how the stores are identified in the geographical map based on your current location like city.



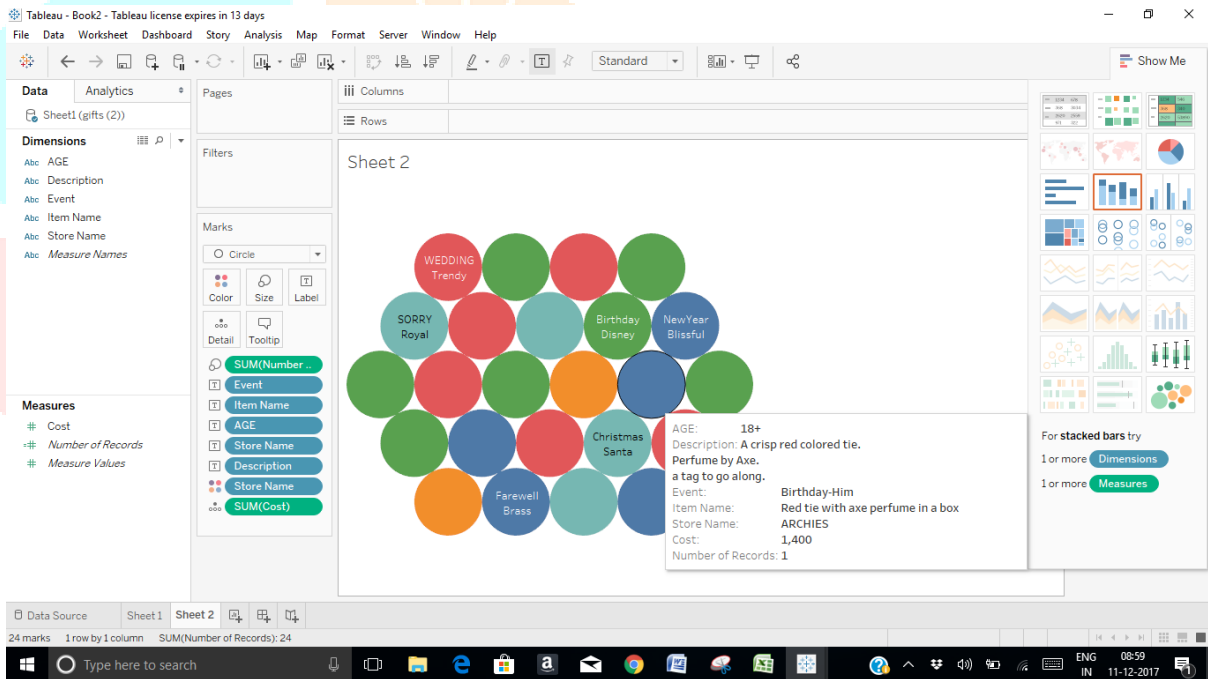
Data sets in our project sheet using which we provided the information like event, item and necessary details.

ITEM NAME	AGE	EVENT	COST	STORE NAME	DESCRIPTION
1 Disney Notebook With Ferrero Rocher	5-10yrs	Birthday	Rs. 599.00	Surabhi The Craft World	1 Disney Notebook , Ferrero Rocher (5 pieces).
3 Trendy Personalised Cushion	3-12yrs	WEDDING	Rs. 359.00	Ghar Sansar	This personalised cushion with filler will not only be a distinct addition to their living space, but an adored gift option for her or him too.
4 Doodle Personalized Laptop Skin	12+	ANNIVERSARY	Rs. 599.00	Ghar Sansar	Solicit your laptop with Exotic Doodle Personalized Laptop Skin and mesmerize the allure of splendid design.
5 Special Personalised Mug	10-30yrs	THANKYOU	Rs. 149.00	Surabhi The Craft World	Give this trendy mug a warm personal touch with a picture of your loved one and present it to her or him on any special occasion. . This wooden serving tray beautified with a scenic

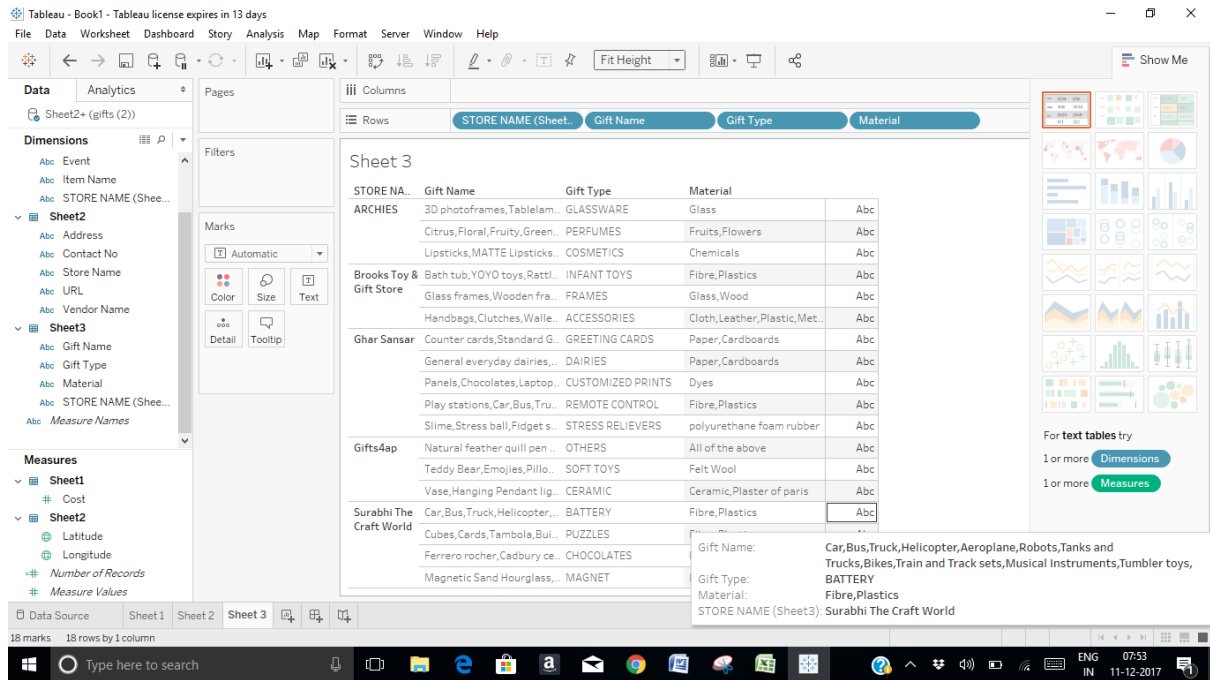
This sheet is used by us to list all the available gifts in all the stores in a particular location.

GIFT TYPE	MATERIAL	GIFT NAME	STORE NAME
SOFT TOYS	Felt Wool	Teddy Bear,Emojies,Pillows,Animated Pillows.	Gifts4ap
REMOTE CONTROL	Fibre,Plastics	Play stations,Car,Bus,Truck,Tanks,Heli copter,Aeroplane,Musical toys. Car,Bus,Truck,Hellcopter,Aeroplane,Robots,Tanks and Trucks,Bikes,Train and Track sets,Musical Instruments,Tumbler toys,	Ghar Sansar
BATTERY	Fibre,Plastics	3D photoframes,Tablelamps,Crystal articles.	Surabhi The Craft World
GLASSWARE	Glass	Handbags,Clutches,Wallets,Sunglasses,Watches,Scraves and Wraps,Phone cases,Hair Accessories(Hairbands,Rubber band,Jaw Clip,Hair	ARCHIES
ACCESSORIES	Cloth,Leather clip),Jewellery(Earrings,Necklace,Plastic,Metal Anklets,Finger Rings,Bracelet,Chokers,Bangles) Ferrero rocher,Cadbury		Brooks Toy & Gift Store

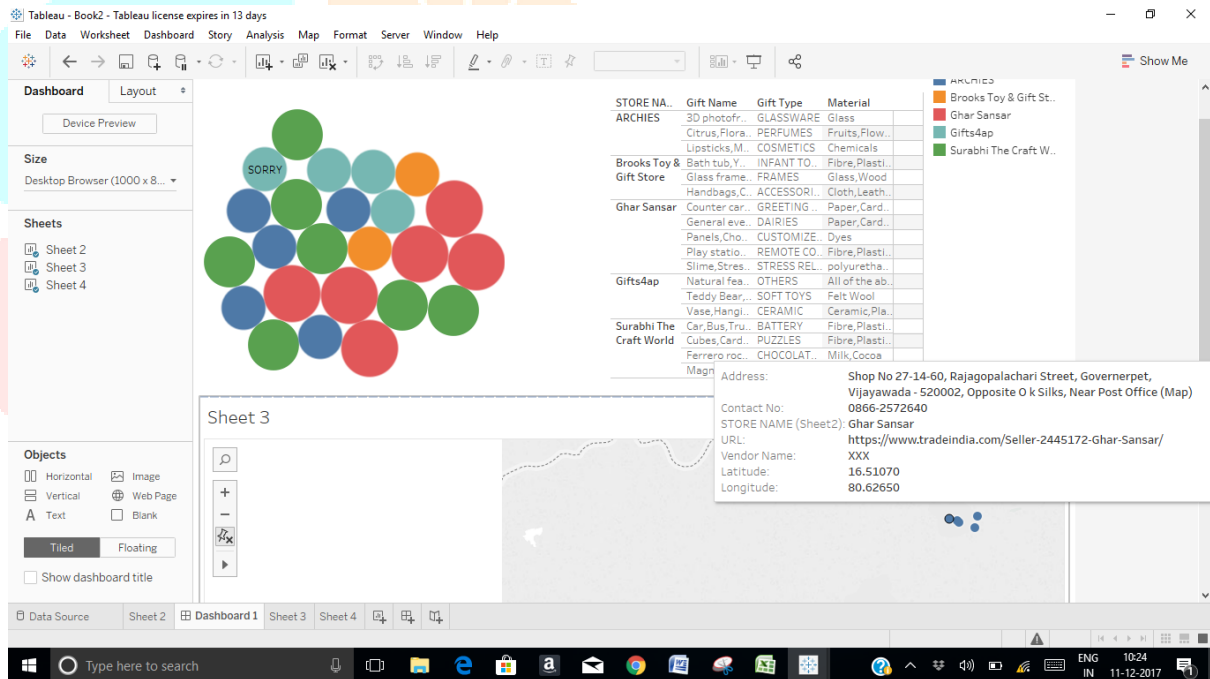
This is our sheet that allows us to effectively choose the gifts based on the occasion.



The below sheet shows us the list of all the available gifts in a particular location.



Finally, this is our dashboard of our application which is user friendly and easily understandable.



**V. CONCLUSION**

We are able to successfully create interactive graphs and charts in the form of dashboards and worksheets which helps people to understand in the most effective way. We made it possible with gestures as simple as drag and drop. It helps people to know in detail about the gifts along with necessary details and is handy for them to choose according to the occasion and availability. It makes our life easier for us at the last moment in the hustle and bustle of our life.

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