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## DATA VISUALIZATION OF ORPHANAGES IN INDIA

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### ABSTRACT

This application provides information about name of the orphanages in India through tableau software. Orphanage is a group home which takes care of children whose parents have died or permanently abandoned from their families. Orphanages are established to provide food, shelter and education to orphans. The main objective of the orphanage is to create positive loving environment in which the often abandoned and neglected children feel at home and cared for as a basis for social and professional development. Normal life of a child in orphanage consists of doing early morning duties, going to school, doing garden work, helping other children with homework, playing games, watching videos or television ,etc

**Keywords:** Orphanages, Data Visualization.

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### I. INTRODUCTION

Orphanage is the last hope of an orphan child where he/she can get home, friends and someone to take care of them. According to latest study, Currently India is a home to 29.6 million orphans. 4% of India's child population are orphans and most of these are abandoned by their parents. Even though very small number of children live in orphanages, this is because one in every five districts of this country does not have even a single orphanage. Therefore, we should make sure that orphanages are well maintained and educate people about orphanages and join the orphan child in nearby Orphanage. This application gives information about some orphanages in India.

### II. DATA COLLECTION

This application is meant for showing particular orphanage at particular location in a particular city based on geographical representation. This data application helps one to get better idea about an orphanage like founder, year of establishment, email-id, timings, website, contact details. This application is linked with route map which is easy to identify the location. The main objective of this application is to get complete details about a particular orphanage. Some of the attributes have been presented in this application. They are ,

Founder

year of establishment

email-id

timings

website

contact details

Latitude

Longitude

Address

### III. TECHNOLOGIES USED

#### Microsoft Excel

Excel is used to organize data and perform financial analysis. It is a software program created by microsoft which uses spreadsheets to organize numbers and data. Excel is a combination of functions, formulas and shortcuts. While enhancing their ability to analyze their data, tableau allows excel users to keep their spreadsheets. Excel is more powerful with tableau with simple drag-and-drop approach for visual analysis of data. Tableau makes exploring excel data faster and easier.

**Tableau Software**

Tableau is fastest growing, powerful data visualization tool used in business intelligence industry. Tableau software is available on both windows and Mac with same functions. It helps users to create different charts, graphs, maps, dashboards and stories to visualize data. It is suitable for handling large volumes of data and provides extensive features.

**Files**

One can save their work using several different Tableau specific file types. Those include Workbooks(.twb),Bookmarks(.tbn),Packaged Workbooks(.twbx),Extract(.hyper or .tde), Data Source(.tds),Packaged Data Source(.tdsx).These files can be saved in the associated folders in the My Tableau Repository directory.

**Dashboard**

A dashboard is display of many worksheets and related information in a single place. Variety of data can be compared and monitored simultaneously. The different data views are displayed all at one time. Not only it will help for analyzing data but it also provides it in a rapid manner. One can add views to their dashboard by dragging sheets onto the dashboard. Any dashboard that is built in Tableau can be published for public consumption on the web.

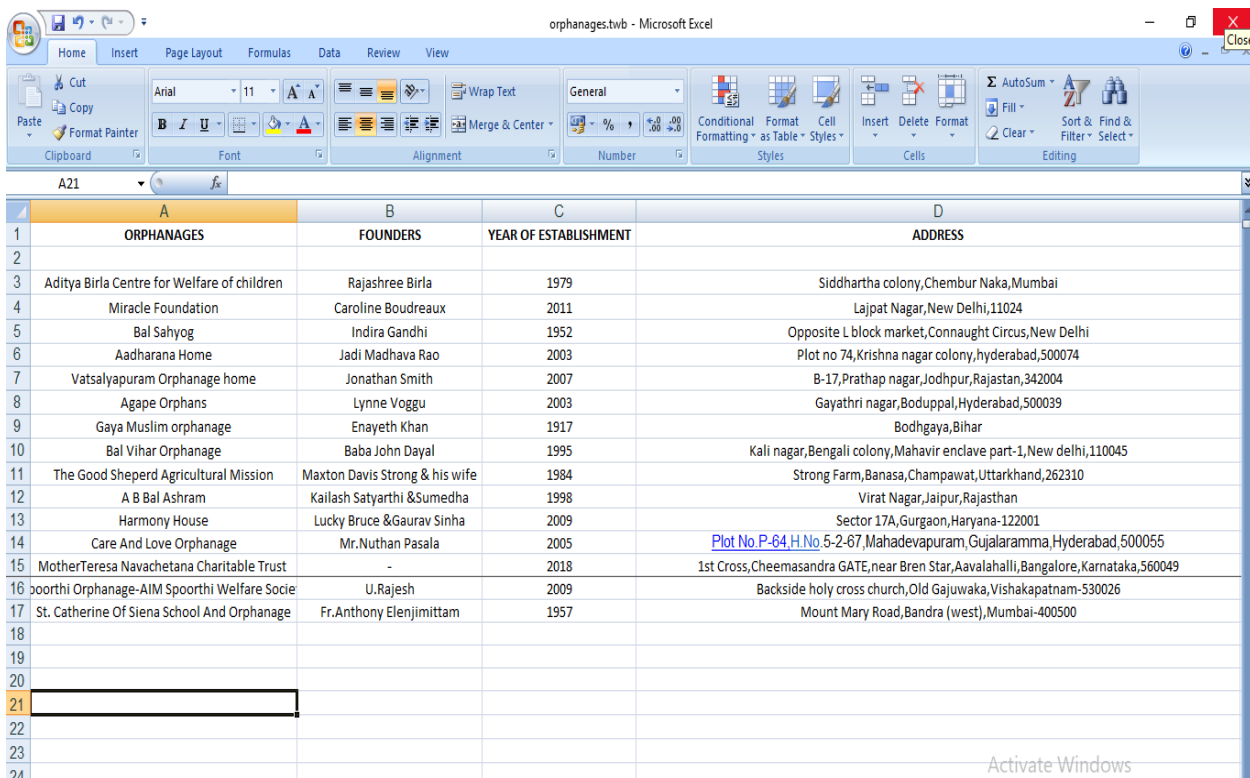
**Maps**

Maps are used to represent the geographical location of a place. This application is mainly built by using maps in Tableau. To build a simple map, your data source must contain location data (location names, or latitude and longitude coordinates).

**Server**

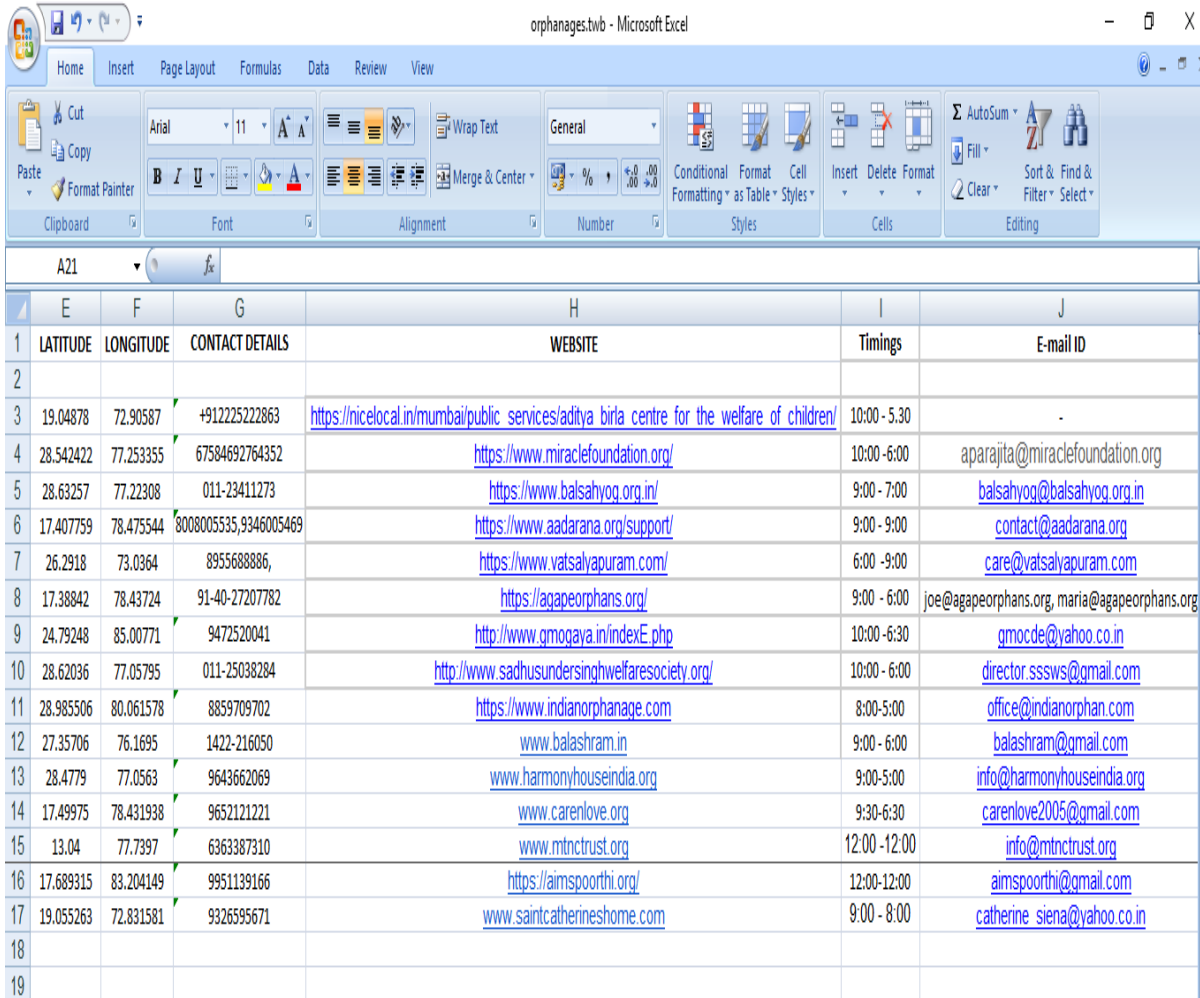
A server (DS) is a software program used to provide database services like storing, processing and securing data. The Data Server is part of Tableau Server that will provide centralized management of Tableau Data Extracts and database connections. Tableau Server can also be used as a database connection proxy by centrally installing and configuring database drivers.

**IV. RESULTS**



	A	B	C	D
	ORPHANAGES	FOUNDERS	YEAR OF ESTABLISHMENT	ADDRESS
3	Aditya Birla Centre for Welfare of children	Rajashree Birla	1979	Siddhartha colony,Chembur Naka,Mumbai
4	Miracle Foundation	Caroline Boudreaux	2011	Lajpat Nagar,New Delhi,11024
5	Bal Sahyog	Indira Gandhi	1952	Opposite L block market,Connaught Circus,New Delhi
6	Aadharana Home	Jadi Madhava Rao	2003	Plot no 74,Krishna nagar colony,hyderabad,500074
7	Vatsalyapuram Orphanage home	Jonathan Smith	2007	B-17,Prathap nagar,Jodhpur,Rajasthan,342004
8	Agape Orphans	Lynne Voggu	2003	Gayathri nagar,Boduppal,Hyderabad,500039
9	Gaya Muslim orphanage	Enayeth Khan	1917	Bodhgaya,Bihar
10	Bal Vihar Orphanage	Baba John Dayal	1995	Kali nagar,Bengali colony,Mahavir enclave part-1,New delhi,110045
11	The Good Sheperd Agricultural Mission	Maxton Davis Strong & his wife	1984	Strong Farm,Banasa,Champawat,Uttarkhand,262310
12	A B Bal Ashram	Kailash Satyarthi &Sumedha	1998	Virat Nagar,Jaipur,Rajasthan
13	Harmony House	Lucky Bruce &Gaurav Sinha	2009	Sector 17A,Gurgaon,Haryana-122001
14	Care And Love Orphanage	Mr.Nuthan Pasala	2005	Plot No P-64,H.No 5-2-67,Mahadevapuram,Gujalaramma,Hyderabad,500055
15	MotherTeresa Navachetana Charitable Trust	-	2018	1st Cross,Cheemasandra GATE,near Bren Star,Aavalahalli,Bangalore,Karnataka,560049
16	poorthi Orphanage-AIM Spoorthi Welfare Socie	U.Rajesh	2009	Backside holy cross church,Old Gajuwaka,Vishakapatnam-530026
17	St. Catherine Of Siena School And Orphanage	Fr.Anthony Elenjimittam	1957	Mount Mary Road,Bandra (west),Mumbai-400500
18				
19				
20				
21				
22				
23				
24				

Figure 1: Data set creation



	E	F	G	H	I	J
1	LATITUDE	LONGITUDE	CONTACT DETAILS	WEBSITE	Timings	E-mail ID
2						
3	19.04878	72.90587	+912225222863	<a href="https://nicelocal.in/mumbai/public_services/aditya_birta_centre_for_the_welfare_of_children/">https://nicelocal.in/mumbai/public_services/aditya_birta_centre_for_the_welfare_of_children/</a>	10:00 - 5:30	-
4	28.542422	77.253355	67584692764352	<a href="https://www.miraclefoundation.org/">https://www.miraclefoundation.org/</a>	10:00 - 6:00	aparajita@miraclefoundation.org
5	28.63257	77.22308	011-23411273	<a href="https://www.balsahyog.org.in/">https://www.balsahyog.org.in/</a>	9:00 - 7:00	balsahyog@balsahyog.org.in
6	17.407759	78.475544	8008005535,9346005469	<a href="https://www.aadarana.org/support/">https://www.aadarana.org/support/</a>	9:00 - 9:00	contact@aadarana.org
7	26.2918	73.0364	8955688886,	<a href="https://www.vatsalyapuram.com/">https://www.vatsalyapuram.com/</a>	6:00 - 9:00	care@vatsalyapuram.com
8	17.38842	78.43724	91-40-27207782	<a href="https://agapeorphans.org/">https://agapeorphans.org/</a>	9:00 - 6:00	joe@agapeorphans.org, maria@agapeorphans.org
9	24.79248	85.00771	9472520041	<a href="http://www.gmogava.in/indexE.php">http://www.gmogava.in/indexE.php</a>	10:00 - 6:30	gmoede@yahoo.co.in
10	28.62036	77.05795	011-25038284	<a href="http://www.sadhusundersinghwelfaresociety.org/">http://www.sadhusundersinghwelfaresociety.org/</a>	10:00 - 6:00	director.sssws@gmail.com
11	28.985506	80.061578	8859709702	<a href="https://www.indianorphanage.com">https://www.indianorphanage.com</a>	8:00-5:00	office@indianorphan.com
12	27.35706	76.1695	1422-216050	<a href="http://www.balashram.in">www.balashram.in</a>	9:00 - 6:00	balashram@gmail.com
13	28.4779	77.0563	9643662069	<a href="http://www.harmonyhouseindia.org">www.harmonyhouseindia.org</a>	9:00-5:00	info@harmonyhouseindia.org
14	17.49975	78.431938	9652121221	<a href="http://www.carenlove.org">www.carenlove.org</a>	9:30-6:30	carenlove2005@gmail.com
15	13.04	77.7397	6363387310	<a href="http://www.mtnctrust.org">www.mtnctrust.org</a>	12:00 -12:00	info@mtctrust.org
16	17.689315	83.204149	9951139166	<a href="https://aimspoorthi.org/">https://aimspoorthi.org/</a>	12:00-12:00	aimspoorthi@gmail.com
17	19.055263	72.831581	9326595671	<a href="http://www.saintcatherineshome.com">www.saintcatherineshome.com</a>	9:00 - 8:00	catherine_siena@yahoo.co.in
18						
19						

Figure 2: Data set creation

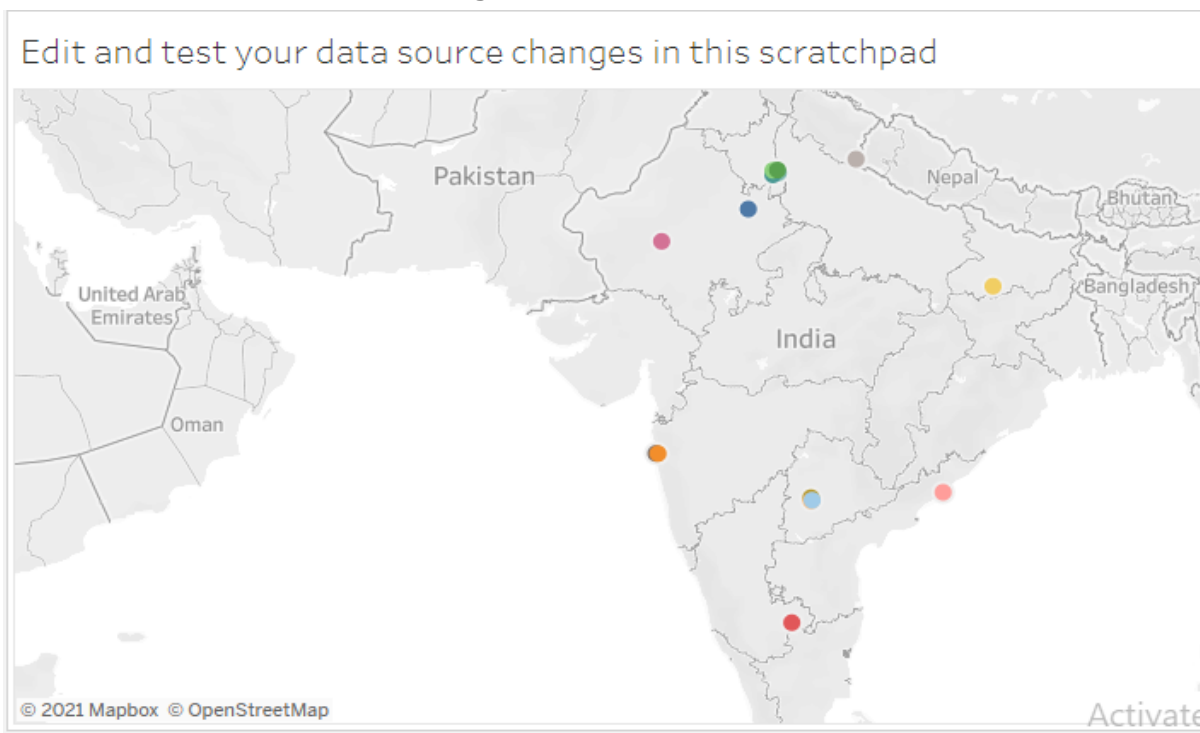


Figure 3: Identification of Location in located map

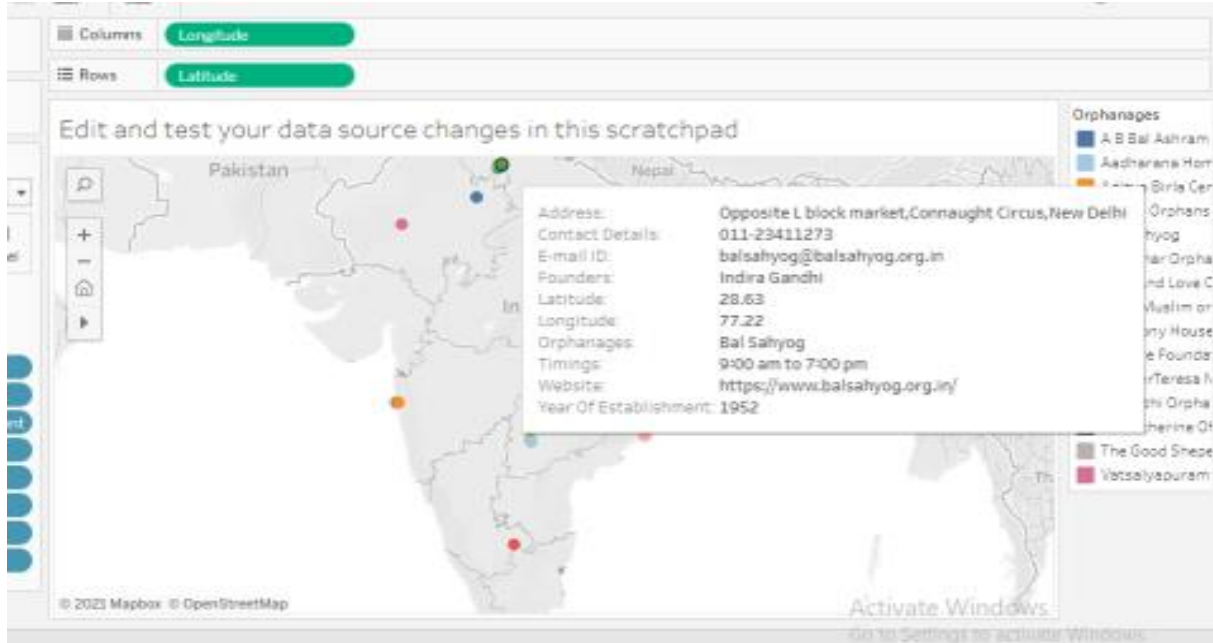


Figure 4: Information about the NGO through located map

## V. CONCLUSION

Therefore, we have visualized the data, i.e about various orphanages in India. All children have the right to grow up in the stable, loving and nurturing environment. So, this pictorial geographical representation will be helpful to the one who wants to visit orphanages and help them.

## VI. REFERENCES

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