

A Visual Representation of NGO'S Across India

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Abstract: This application gives an overview about Non Governmental Organizations using tableau software. NGO's operate independently from government. Basically NGO'S belongs to voluntary sector. These are widely considered to be more successful in reaching the poor. Even though they are small organizations they are flexible, innovative and capable. Their major purpose is development and growth and focus on the issues that are not solved by government. NGO'S work with the motto "To make the earth a better place for everyone who are suffering". These deals with wide range of activities such as health, education, social issues and etc to help and support unprivileged people.

Keywords: Data Visualization, Non-Governmental Organizations

I. INTRODUCTION

NGO'S are the organizations which implements development projects for poor and needy without expecting profits. They play a crucial role in developing and changing the society. They transformed lives of many people by showing them the path to stand on their own in the society. They concentrate on issues like poor, hunger, gender inequality, illiteracy, malnutrition etc. They adopt various approaches which are innovative and flexible to achieve development.

II. DATA COLLECTION

This application is meant for showing a particular non-governmental organization at a particular location in a particular state based on geographical representation. This data application helps to get a perfect idea about nongovernmental organizations. In detail about the contact number, address, email-id, year of establishment, founder, etc. it is easy to identify the spot using location map which was linked in this application. Main goal of this application is to get a full fledged data about a particular NGO that is chosen by a person. Some of the attributes has been presented as follows:

NAME OF THE NGO	ADDRESS OF THE NGO	YEAR OF ESTABLISHMENT
CATEGORY	FOUNDER	CONTACT
EMAIL-ID	LATITUDE	LONGITUDE

III. TECHNOLOGIES USED

3.1 Microsoft Excel

It is developed by MICROSOFT Excel is used to organize data in rows and columns. Excel has features of spreadsheets. It can display data as graphs, tables, histograms and etc. It consists of various mathematical formulae to perform operations such as sum, count, average and etc. Microsoft allows for a number of optional command line switches to control the manner in which excel starts.

3.2 Tableau

Tableau Software is used to visualize the data effectively. It helps people see and understand data. Our visual analytics platform is transforming the way people use data to solve problems. It also has mapping functionality and is also allows us to plot latitude and longitude coordinates. Its primary goal is to communicate information clearly and efficiently using statistical graphs, plots and information graphics. There are several types of operators like general, arithmetic, relational and logical operators.

3.3 Files

There are several different Tableau specific file types. They are workbooks, bookmarks, packaged data files, data extracts, and data connection files. Here we used workbook file type which has “.twb” file extension. Workbooks hold one or more worksheets, plus zero or more dashboards.

3.4 Dashboard

Dashboard is collection of several worksheets and supporting information which gives us an overview of the analysis. Dashboards let you monitor many metrics at once, so you can quickly check the required information. We can also place relevant tables, graphs and charts in the dashboard. Components of dashboard are vertical, horizontal and image extract.

3.5 Server

Tableau server is a business intelligence application which allows users to organize, edit, share and collaborate on dashboards. Servers can be used to provide access to published content. Server lets user access data sources, files, projects, up to date content and etc. tableau server also provides security.

3.6 Maps

Tableau automatically converts the given data into maps. In tableau there are several types of maps to present the data geographically. Some of the maps are located map and filled map. We have used located map to represent our data.

IV. RESULTS

NGO.twb - Microsoft Excel

	A	B	C	D	E	F	G	H	I
	NAME OF NGO	CATEGORY	ADDRESS	CONTACT NO	EMAIL ADDRESS	FOUNDER	YEAR OF ESTABLISHMENT	LONGITUDE	LATITUDE
1	GIVE INDIA	Humanitarian aids	1st floor,jigal no.15-18,doddanehall,marathahalli,over ring road,Bangalore,Karnataka,560031	1800-919-3333	info@giveindia.org	Venkat Krishnan	2000	77.5944	12.9721
2	PRATHAM	Education	Y.B.Chavan center,4th floor,Bend Bhosale marg,nairman point,Mumbai,Maharashtra,400022	022-22195961	info@pratham.org	Madhav chavan,Fanda lambay	1994	72.886672	19.06188
3	AKSHAYAPATHRA FOUNDATION CHILDREN		No.72,3rd floor,3rd main road,1st,2nd stage,ward no.10,Yeshwanthpur,Bangalore,560022	1800-425-4622	info@akshayapathra.org	Bhakti Khedanta svami prabhupada	2000	77.591471	13.008362
4	PRAYAS FOUNDATION	CHILDREN	BLOCK EE,Jahangirpur,Delhi,110033	011-27633066	prayasprayas@rediffmail.com	Amod K.Kanith	1998	77.177	28.334417
5	BUTTERFLIES INDIA	Children,Human rights	Anapuri village,Khasra 1634,Delhi,India 110047	011-46471000	butterfliesindia@gmail.com	Rita Panicker	1989	77.205694	28.3344
6	SMILE FOUNDATION	Education,Women Empowerment	161 BH,3rd floor,gulmohar house,Yousuf sarai Community center,New Delhi,110049	11-43-123700	info@smilefoundationindia.org	Santana Mishra	2002	77.205938	28.563025
7	NAMHI KALI	Education for unprivileged girls	KC Malindia Education trust,Cecil court near legal cinema,Mahakavi bhushan marg,Mumbai 022-2239-5590	022-2239-5590	support@namhi.org	Anand Malindia	1996	72.832	19.3243
8	GOOMJ	Disaster relief,Humanitarian aid	J-33,Saitha vihar,New Delhi,110076	011-4144-1216	mail@goomj.org	Anshu Gupta	1999	77.3025	28.5339
9	HELPPAGE INDIA	Health care,Livelihood,Sanitation	Helppage india,c/o-H Qutab institutional area,New Delhi,110016	011-489-8856	helppageindia@rediffmail.com	Mr.Jackson colie Samson Daniel	1978	77.21808	28.62623
10	CHILD RIGHTS AND YOU(CRY)	Healthcare,Child labour,Education	CRY-189/A,Anand estate,sane gunji marg,Mumbai 400011	022-2206-3651	cryinfo.mumbai@gmail.com	Pippin Kapur	1979	72.8312	19.3695
11	CAPE INDIA	Education,Health,Climate,Agriculture	A-12,Bhikar Towers,3rd floor,tower-2,Section-1,Uoida,Gautambuddha nagar,UP,India,201301	012-4048-4250	contactus@capeindia.org	Lincoln eark	1946	77.3176	28.598
12	CHILD LINE INDIA FOUNDATION	Child Rights	B-10111th floor,Ratan central,Di.Bhasaneb Ambedkar road,panel east,Mumbai,400012	91-22-68259198	info@childlineindia.org	Jeroo Billimaria	1996	72.82393	19.04789
13	YUVA UNSTOPPABLE	Education,Sanitation	3rd floor,publi complex,opp.chi bank,Nr.Municipal market,C.G.Road,Ahmedabad,India	91-7900800762	info@yuvanstopable.org	Amritbhi shah	2005	72.57	23.0358
14	SAKSHI	Education,Health,community deveic	4-302,Block D,Defence colony,New Delhi,110049	91-981023595	sakshicon@rediffmail.com	Dr.Daram Anand,Dr.Mirinda tandon	1992	77.2149	28.574
15	SAVE LIFE FOUNDATION	Road safety and Emergency medical	D-10,1st floor,Harsha In,Nizamuddin east,New Delhi,110013	011-4109-1911	info@saveelifoundation.org	Piyush Tewari	2008	77.249371	28.589725

Figure 1: Data set representing list of NGO's across India.

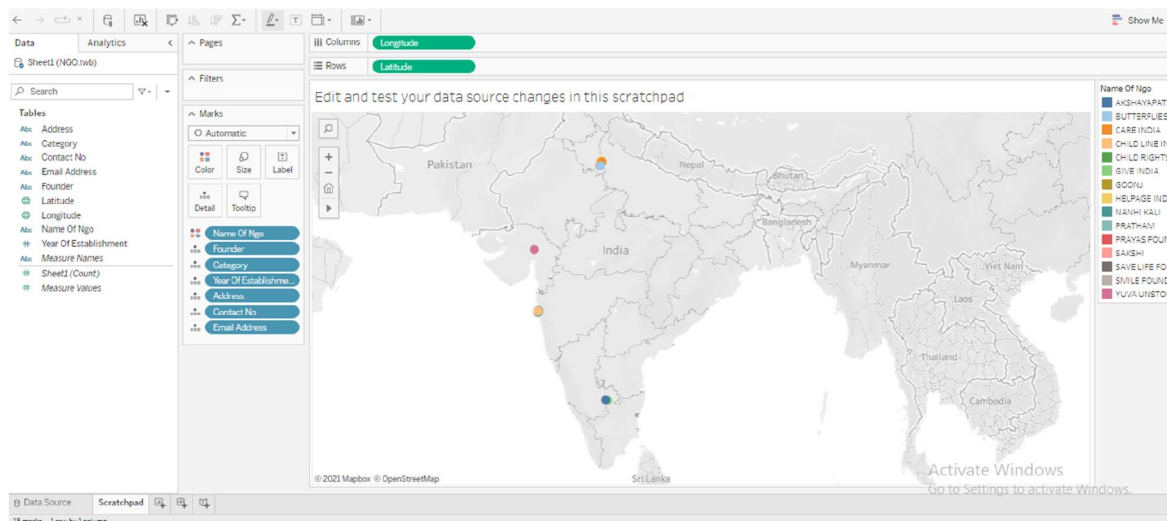


Figure 2: NGO's representation through Located Map.

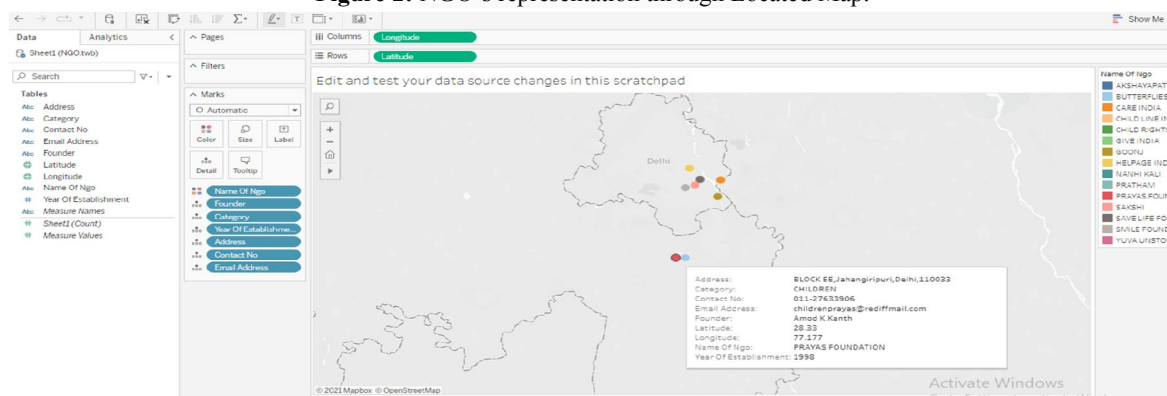


Figure 3: Various fields of a particular NGO being displayed

V. CONCLUSION

Therefore we have visualized the data that is various Non Government organizations across India. Tableau is a very effective tool and through this we have represented our data in a graphical mode which is a way more easily to understand for users.

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