STRATEGY VISUALIZATION USING PAST ELECTION RESULTS

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Abstract:

The Election Voting Systems Assessment is an unprecedented project premised on a collaborative approach that ensures greater citizen input through partnerships within the academic community, public interest organizations, and with policy makers. The total voting between different Regions in India with their strategies are taken to analyze the best strategy to win the current trend election. The strategies are taken into the account for the accurate result. This analysis helps the party to win the current election.

Keywords: Strategy visualization, winning parties, python.

I.   INTRODUCTION

Data visualization is that to observe data by placing it during a visual context in order that patterns, trends and correlations are often exposed by detection them. Python allows us to create extraordinary visualizations easily and quickly using Matplotlib and Seaborn. Regular visualization helps to mainly concentrate on one's dream. The main problem with people is the easily get distracted and incorporate with their goal. When you visualization on a regular basis, especially when you segregate a constant time every day, you might focus very well. A good visualization should establish two aspects of the data being presented: picturise the relation between the data that are complicated to explain. Should made convenient for the audiences to recognize the data content and consider the outcomes from the data.

The benefits of data visualization
- Better analysis.
- Quick action.
- Identifying patterns.
- Finding errors.
- Understanding the story.
- Exploring business insights.
- Grasping the Latest Trends.

Data visualizations make big and small data easier for the human brain to understand, and visualization also makes it easier to detect patterns, trends, and outliers in groups of data.

II.   RELATED WORK

The authors trace the tradition of measuring voting behavior in India from a historical perspective, starting with the Poona Lok Sabha electoral district study in 1967. They move on to discuss in great detail the method of surveying the voting behavior that has been widely used in the 1990s and beyond.[2] The election system isn't only seen in India, it are often seen altogether countries of the planet. The successful administration of the government is also decided by the electoral system. Even though it is a standard system in India, many changes have still been made to it itself, and it is now India's most advanced progressive system. The election system in India has many features, such as adult franchises, electoral district reservations, appointments, etc. In India, our electoral system is an extremely strong administrative machinery that conducts elections on a regular basis. [3] Voting is one of the most frequently used words in democratic politics. Voting is that the life and soul of democracy because it's through elections the people elect their representatives, forms their government. Citizen uses voting as a means for communicating his endorsement or objection to governmental decisions, policies and programmers of various political parties.. An empirical study of the determinants which inspire and influence the voters to exercise his right to choose favour or against a specific candidate is influenced by various factors like gender, race and pressure groups in invoking religious and communal factors, the influence of cash or charismatic personality of a pacesetter . The main purpose of the present study is to focus interest on voting behaviour in India and to emphasize the factors that determine the voting behaviour in India. [9] Election studies are a distinct sub-genre of democratic studies which, so to speak, focus more on the 'mechanics' than on the 'substance' of representative democracy. This sub-genre, which is relatively more visible than other studies of representative democracy, has specific implications, both academic and political, which have been the focus of this critical review of the literature on Indian elections since the 1980s. [6] Using this, we will find interesting patterns that are extracted and represented using Visual Data Processing to reorder the awareness program. The approach is split into 5 phases: I) Data Preprocessing: II) Data Warehouse Creation: III) Task-Relevant Data Extraction; IV) data processing and V) Visualization. In Data Warehouse Creation phase, warehouse with vote as measure actually and voter Gender, voter age, voter education, candidate, Religion, time, session, word as dimension. Word dimension has a four-level concept hierarchy of country, state, city, area/word id. The results of the data mining phase are represented in the last phase using Visual Data mining techniques. [10] The Constitution of India has provided the

Indian Election Commission with the authority, direction and control of the entire process for the conduct of elections to the Parliament and the legislature of each State and the offices of the President and Vice-President of India. [8] Measuring Voting Behaviour in India captures the dynamics of multiple methodologies used for measuring voting behavior in India within the past and present. The authors expand on the various approaches used to assess the views, behaviors and beliefs of the electorate. They address the benefits and disadvantages of each form of gathering the multiplicity of electoral experience of multiple voters through various settings in India. This they accomplish utilizing their long experience of conducting national- and state-level election surveys in India and by simultaneous studies using different methodologies. [5] Data visualization involves presenting data in graphical which makes the knowledge easy to understand. It helps to elucidate facts and determine courses of action. It will benefit any field of study that needs innovative ways of presenting large, complex information. The advent of computer graphics has shaped modern visualization. [7] The start of any data visualization depends on the data set and what we want to know. Broadly speaking, there are five main questions we will ask.
• How does that one thing correspond to another?
• How is that data linked to other data?
• How is that data scattered?
• How is this data composed of,
• How does the data appear on a map? [1]

    Interactive visualizations and knowledge graphics are getting an inseparable a part of modern medium also as digital media like newspapers, magazines, online news websites, blogs, discussion forums and social media. [4]

III.   METHODOLOGY

In this paper Strategy Visualization is using Python programming language.

VISUALIZATION:

    Data visualization is the act of obtaining information and visually representing it using graphical elements such as graph or table. Data visualizations, irrespective of size of the data, they can be made in a such a way that they are easily understandable and visualization also make it easier to detect patterns, trends, and outliers in group of knowledge . To make sure you've got a clean and complete set of knowledge to figure with. If there are some irrelevant elements added they will directly reflected in the output. Data visualization is basically needed for any career; from teachers trying to form sense of student test results to computer scientists trying to develop subsequent big thing in artificial intelligence, ultimately the data visualization makes data easily accessible and understandable to everyone irrespective of their knowledge in computer.

Strategy 1	strategy 2	strategy 3	strategy 4	strategy 5	P
free laptop	free bicycle	2gb data free for college studensts	free washing machine	6 lpg cylinders are free for a year	
free hospitalization	govt job to ladies	loan waiver to hotels	education empowerment	free bicycle	
increasing the investement from foreign MNC's	same ration card for all the states	free laptop	cancel of education loan	free bicycle	
clean india	repayment omission for gold loan	free washing machine	buliding concrete houses for people living in	free education	
expanding the rural employtment guarantee sche...	hi-tech highways	transporation service in rural areas	free cylinders	2gb data free for students	

FIG 1.1

WINNING STRATEGIES:

There are some strategies used by the several parties. In the past elections results the parties used some good strategies which help them to win the election

WINNING STRATEGIES

↓

HIGH-TECH HIGHWAYS

↓

TRANSPORTATIONAL SERVICES IN RURAL AREA

↓

INCREASING THE INVESTMENT FROM FOREIGN MNC's

↓

INTRODUCING METRO TRAINS IN 2nd LEVEL CITIES.

↓

IMPROVISING INDIAN ECONOMY IN TO 5 TRILLION DOLLAR
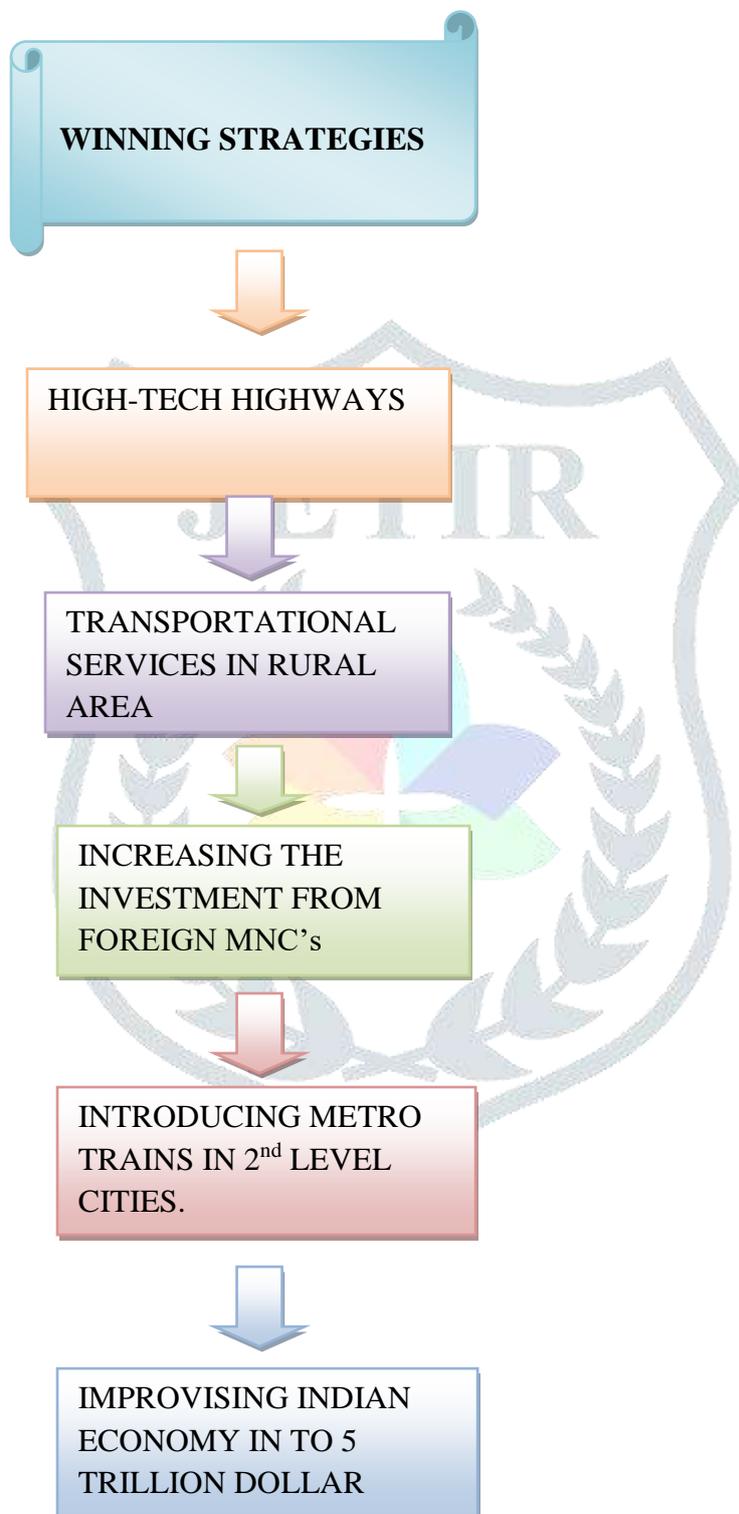
IV. RESULT AND DISCUSSION

In the above image are visualizing the strategies used by the winning parties. Taking the past two elections (2009-2014) results into account; analyzing their winning/losing ways and visualizing the Comparison through a table therefore, predicting the strategy used by winners and it is useful for present candidates who participate in current elections.
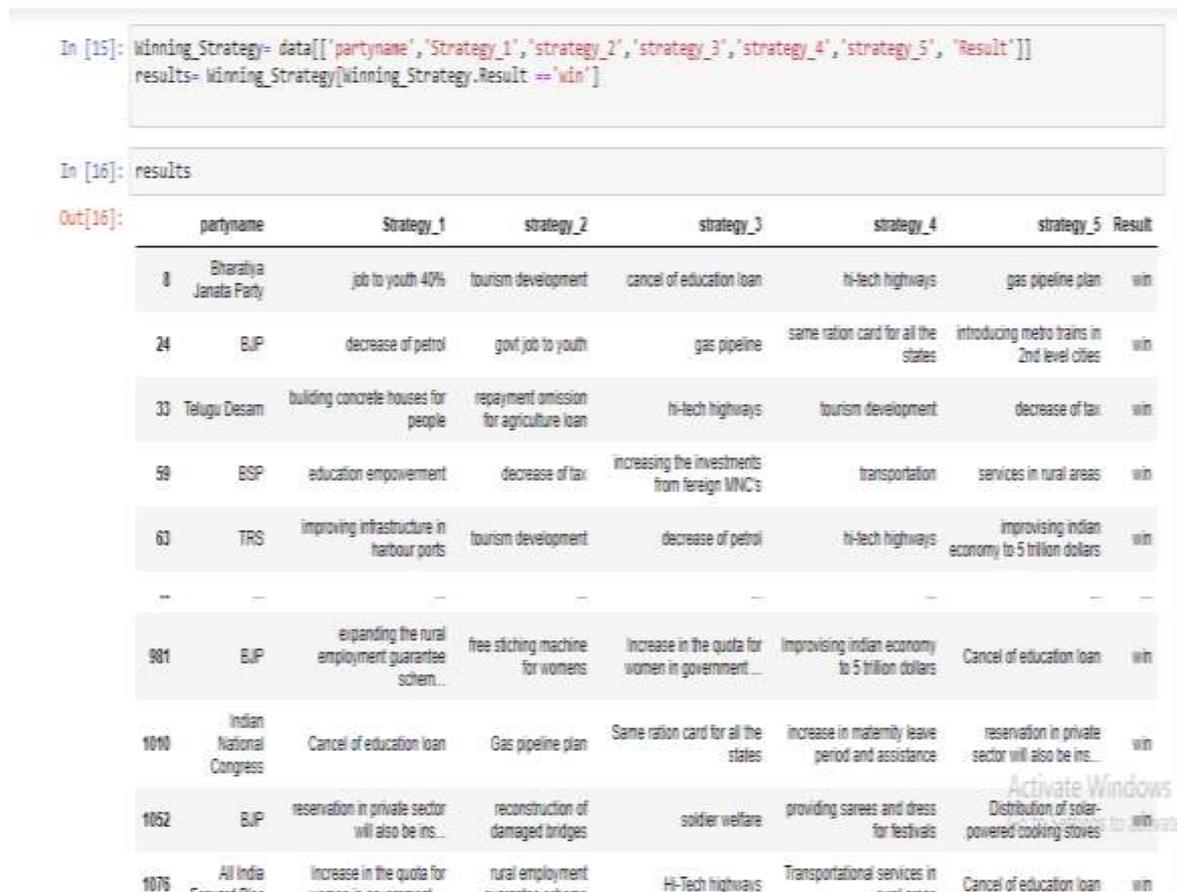
FIG 1.2

V. CONCLUSION

In this paper Strategy Visualization is done using the Python programming language. In the analysis we found that winning strategies may help in the current election situation. Before suggesting the usage of winning strategies we must need the people's opinion about those strategies to check whether the strategies are useful in real life or not. So by this project we suggest that using the winning strategies of the past election may be very helpful for the current election system and the people.

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