

# **ANALYTICAL INSIGHTS OVER STATE ELECTION DATA**

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**PROJECT SYNOPSIS**

FOR PROJECT

**BACHELOR OF TECHNOLOGY  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

SUBMITTED BY

<b>GARVIT SOLANKI</b>	<b>17ETCCS012</b>
<b>MILAN PURBIA</b>	<b>17ETCCS029</b>
<b>MOHAMMED AFZAL RAZA</b>	<b>17ETCCS030</b>
<b>MOHIT AMETA</b>	<b>17ETCCS031</b>
<b>SACHIN GARG</b>	<b>17ETCCS050</b>

**UNDER THE GUIDANCE OF  
Ms. Kirti Purswani**



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## Analytical Insights Over State Election Data

Prerequisite: R Studio basic configuration settings & student must know introduction to R Programming

### **Introduction:**

This project will drive you to build a dashboard for analytical insights of data of election for State Uttar Pradesh. The data given is having following attributes.

### **About Data**

- a. **Seat Allotment:** Seat Allotted to party in previous election.
- b. **Phase:** Numeric value between 1 to 7 as the election was executed in 7 phases
- c. **District:** District which may have one or more constituencies
- d. **Constituency:** The constituency reflects the Legislative seat over which the election will get executed
- e. **Number of Votes:** The numerical figure which represents the number of favors for a candidate.
- f. **Candidate:** An Indian Citizen who fought election as per this data
- g. **Party:** An entity or united alliance which puts the face of candidate in order to make Government.

As the data provided is not explicit/overt to put analytical insights over hence as III year student, this project will enhance skills that how to prepare the data before putting analytical insights by logical expressions. **Visual Analytics based dashboard is expected for following queries -**

Q – 1 How many total votes have been grabbed by the different parties?

Q – 2 Which party(ies) won on how many seats?

Q – 3(a) For any particular district, make the percentage vote share pie chart?

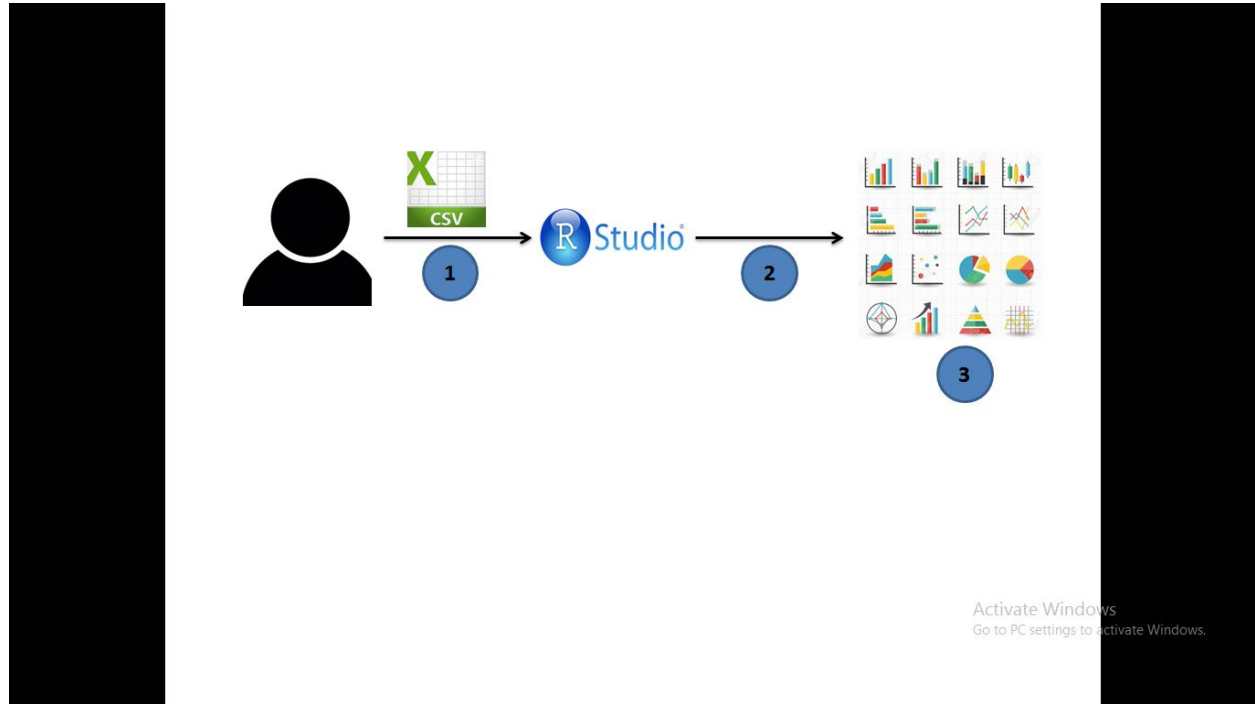
Q – 3(b) Do it for all the parties on common pie chart

Q – 4 (a) For any particular party, show the bar chart on number of seats election fought vs election won.

Q – 4 (b) Do the above exercise applicable for all the parties.

Q – 5 For every constituency, which party got the highest votes & which party got the lowest? Show this by bar chart.

## Architecture Flow:



1. User imports the .CSV file in R Studio (Latest Version)
2. As per the required analytical insight, using logical expressions.
3. At this phase, any two visual insights is expected like Bar Graph, Line Graph, Pie Chart, Area Chart etc. over the dashboard against the selected query from drop down box.

### Included Components:

Following libraries have been included –

- a. [ggplot2](#)
- b. [grid](#)

### Featured Technologies:

- a. [R Programming](#)