ASSIGNMENT 2

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The proposed voting system coupled with vote is

- (i) Each voter gives his | ner top 3 preferences in
- (ii) I mually, the just preference is considered and if any candidate gets a majority then that candidate usins.
- top 2 candidates o in terms of 1st perference, the top 2 candidates o in terms of 1st perference perference are selected and perference order of voteles are in used to decide a minner between the 2.
- (iv) In case, top 2 candidates at chosen in the above deschiption are not in the top 3 preferences of a vote (assumption is that this case well be vare), then that vote is discarded (wasted.

JUSTIFICATION FOR USING THIS NOTING SYSTEM

· At the outset, we can see that this is a voting system that is a tradeoff between a withouten where election results are more prophonal to the votes and a situation where con voting system is feasible to be implemented in a country like India.

Thu voting system is certainly better than either phirality voting system as it allows voters to have an ordering of preference, and these finally arrienes a decent majority (generally ~ 4045) and hence is more representative.

more than & 6 or 7 candidates to a common and a large voter density, we cannot offered to use a voting system that gives a preference over all candidates.

- · briven the fact that there are a lot of uneducated and illeterate values, a complex voting system could become unfeasible.
- Somewhat identical voling system is used in the elections of a stillanka and France which shows that this voling system is actually in use and rould be used to gather data on how supresentative the winners are in those 2 courties.
 - In Indian elections, most of the times the votes are divided majorly among 2 * parties and therefore this voting system guarantees to be a good opp representation of the voters' choice.
 - to condidates who are 1st on many perferences and and and are a large 10. of votes as well.

2 (at most 3) condidates, there are good adds that the percentage of value that go wasted would be small.

SIMULATION OF THIS VS ON 2014 SLECTIONS

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Firstly, we can see that 102 seats out of 543 were mon by condictates with less than 40% of the votes. Ideally, we would like to reduce this number.

· STATE OF ASSAM

- · In Assam, BJP o secienced 36.86%. of the votes...
 - Assumption 1: Due to the general additional of disappointment of public over the last congress government and the "suring" generates by Narendra Modi, I assume that 65 % of voters paper DJP over INC.

: Sum wated hesult

Thus, we get a majority for BJP.

Assumption 2: We could assume that the voting who did not vote for INC or GIP would prefer either of them in the proportion of textisting votes they received in that this

Simulated result:

Preference of BTP over Tox in 55.2%.
Hence 15TP receive 55.2% of vore.
Hence BTP 100 get a majority

· STATE OF HARYANA

In Maryana, BJP recipied 34.241. of votes and Indian National loke Dal recipies 24-34.

Assumption 3: 8 Voters who & voted for INC are

generally going to payer sweeten

Notional lok Dal out BIP carava

of the vivalry of BIP & INC

Thus, all votes for INC get transported

to Indian National loss old:

Doegee Simulated result

Indian National loke dal recieve (24-3+22 49)4. = 47. 42.1.

Thus, Indian National Loke dal would have even Haryana with an impressive 47421. Votes

· STATE OF MAHARASHTRA

In Maharashtra, BJP recienced 27.56.1. veter ShNsena w recienced 20.82.1. votes and INC recienced 18.29.1. votes.

the votes according to Assumption 2, we get the following sesult.

BJP recions: 41.34.1.

Shivsena recients. (20.82+18.29+16.33) 4. volus = 55.44 4. volus.

Hence, sacrema Summera would have won with 55. 444. * of the votes.

Thus, we see that this VS reduces the seats decided by winners getting to less than 40%. of the votes.