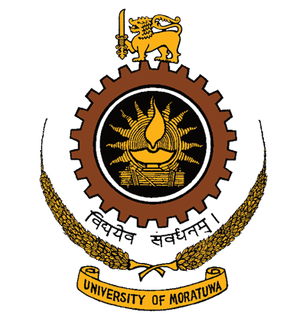
**2019 Presidential Election Poll Survey Project Report**



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**Group - Unbiased Estimators**

**CS5651 - Statistical Inference**

**Analyzing the opinion on Presidential Election 2020 of Educated Youth Population in Western Province**

**Research Question:**

The main objective of this research is to predict which candidate has the highest chance to win the next presidential election and how the voter’s response to the national policies that the candidates going to implement in the next five years.

**Members with ID and their contribution:**

* K.A.H.P.Perera – 199354R (Questionnaire Design , Analyzing Results, Creating Report)
* N.A.H.W.S.Chathuranga - 199309K (Questionnaire Design , Analyzing Results, Creating Report)

**Introduction:**

We conducted this survey throughout a week period and we ended up with 218 valid responses. We used a mixed approach to do the data collection in this survey. This include collecting data through online survey and interview voters. Sample of these voters selected randomly to avoid sampling bias. We decided to limit this study to western province and only consider educated youth segment due to the time frame and the cost of data collection. Since educated youth segment can do a significant influence to the overall election results we reframed our objective to identify the candidates popular among educated youth segment in western province and how they prioritize the national policies.

**Results and analysis:**

The below analysis will give an idea on the most important observations related to the study. The detailed analysis is represented in the excel document.

***Analysis of certainty of the voting of people in the election***

About 70% people in study sample will vote in the upcoming election. Also about 15% people will not vote in the upcoming election.

***Analysis of to which candidate people will vote in election***

According to the sample Gotabaya Rajapaksha will get around 52% of votes. And 24% of people vote for Sajith Premadasa. 12.39% of people are to vote for General Mahesh Senanayaka.

***Analysis of Problems the society needs to resolve by the new President***

83% of people need to resolve problems of National Security. And 67% of people would like to resolve problems of Standard of Living, also, 65% of people need to resolve Problems of lack of Development

***Analysis of leadership qualities***

Majority of people think a leader of the country should posses the following three qualities

1. Strong vision for country’s future (91%)
2. Decision making skills (88%)
3. Crisis management skills (69%)

**Conclusion:**

According to the study sample Gotabaya Rajapaksha will get majority of votes from youth population in western province.

**Discussion:**

The above study is mainly focused on youth and educated category of people in the study; therefore, it would be much better if we could increase the sample size which includes mid age category and elder age people as well.

**Git Repo Link** - <https://github.com/heshan92/Statistical-Inference-Project>