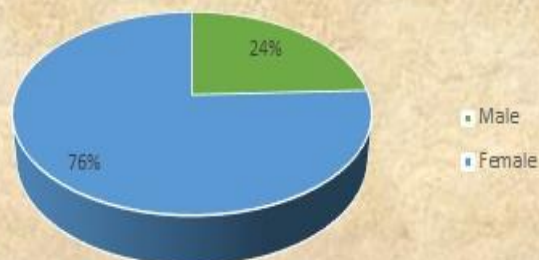


57% of teachers are graduates

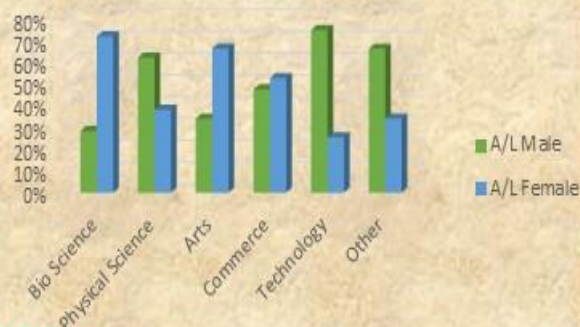
3% of teachers are untrained

7.8% of highest untrained teachers in a district - Mullaitivu

Teacher Gender Distribution



A/L Stream Gender distribution



76% of teachers are females

Most of students who did Art stream in A/L is coming into government teaching and it is reflected from gender distribution of A/L stream selection.

~66% of Art students are Females

Sri Lankan Government School Insights

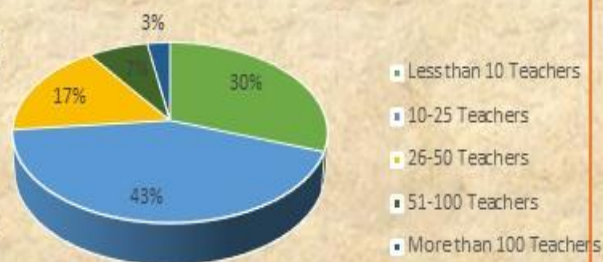


Number of teachers per school

73%

Schools of the island is less than 25 teachers

Teachers needs to be distributed



10, 146 – Total govt schools

892 - # of schools in Kurunegala district, highest in a district

104 - # of schools in Kilinochchi, lowest in a district

29 - # of schools shut down since 2018

87 – With this trend 87 number of schools may be shutdown by **2030**

50.7% of the schools less than 200 students

43.5% of the students learn in schools more than 1000 students

66% of the teachers are in schools less than 1000 students

21 & 11 – Highest and lowest student to teacher ratio in a district, Colombo and Jaffna

118 the Highest number of schools less than 50 students in a district, Badulla. There are three more districts with more than 100 schools less than 50 students Kegalle, Ratnapura and Kurunegala

284 of Highest number of schools with less than 10 teachers in a district, Kurunegala

Sri Lankan government school insights

This analysis is based on the data taken from <http://www.statistics.gov.lk/Education/> for the year of 2021 (the latest one) For the forecasting and comparison purposes data from 2018 to 2021 is used. Purpose of the poster is to showcase the challenges in the Sri Lankan school system in terms of teachers and threat of school shutdown.

Nature of the data set:

Data set is prepared by using census data and it is a pre-processed dataset with a defined schema. No null values nor invalid data. Identification of the data that needs to be included was the first challenge in this dataset. Almost same data is presented in different manners throughout the source file. Collecting the necessary tables into different files was done in the initial phase of the project. Then merging the table where the comparison and forecasting was needed was one of the main challenges. Merging tables have to be done with different data sources.

Descriptive analysis

Under the descriptive analysis current status of school system was shown in the poster. Total number of government schools, district with lowest number of schools, number of schools less than 200 student and etc were given in the number format. Pie chart was used to identify the number of teacher distribution per school.

Diagnostic Analysis

Close to 76% of teachers are female and the reason has been analyzed by using the data set. Most of the students who have taken arts stream under A/L tends to apply for government schools and ~66% of art students are female. This can be taken as one reason for the gender skewness in teachers.

Predictive analysis

29 schools were shutdown in the period of 2018 to 2021. Time series regression is used to get a projection on number of schools which are in threat for shutting down. As per the analysis, it can be expected that ~87 more schools may be shutdown by 2030.

Prescriptive Analysis

Possible reasons were identified to prevent the shutting down of schools in this exercise. 73% of the schools are having less than 25 teachers in the island. Government need to take necessary actions to distribute the teachers across the schools. This may increase the effectiveness of the schools and distribute the students among the schools as well. Almost half of the schools in the island is having less than 200 schools this also a reason for shutting down the schools. In addition it can be recommended that training needs to be given to the 3% of untrained teachers to improve the quality of the education system.

Tools used

MS Excel is used for the data analysis and MS power point is used to create the poster.

GitHub Link:

<https://github.com/kodikarast/SriLankan-Government-School-Insights>