REPORT

Definitions for Open Data Student Enrolment and FTE by Grade:

Introduction:

This extract contains data on student enrolment and FTE by grade at the provincial, district, and school levels, based upon September enrolment data collections. The data use in the project begins with school year 2004/2005.

Enrolments:

Enrolments include any enrolment records for school-age students, adult students working towards graduation, or graduated adults taking tuition-free Adult Education program. A student may be recorded and counted as an enrolment in more than one school.
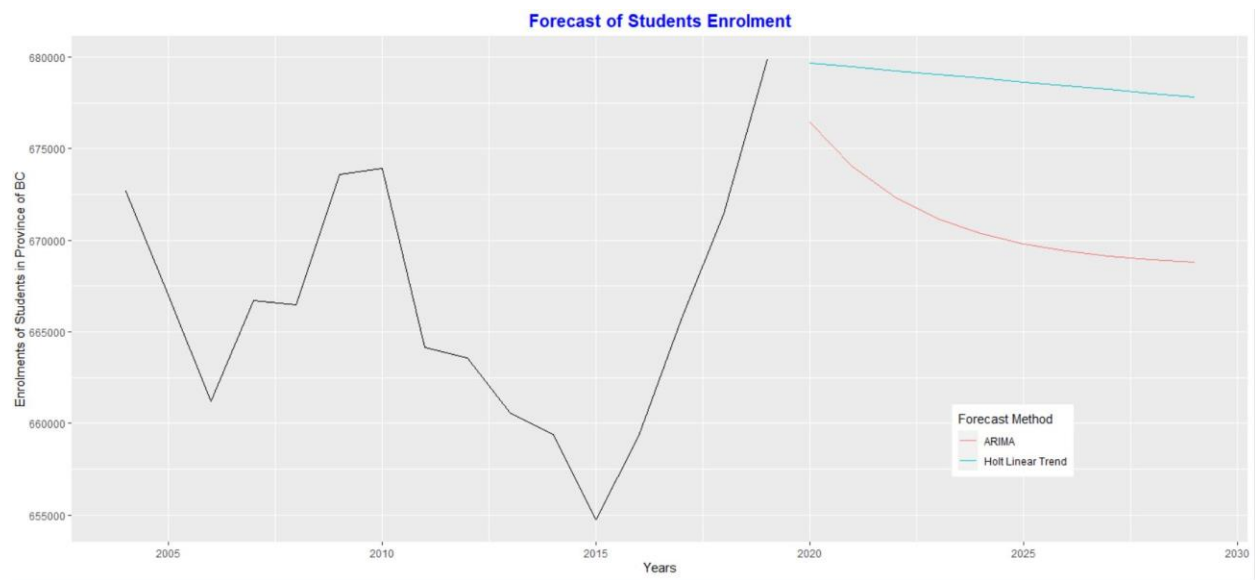
FTE Counts:

Full-Time Equivalent (FTE) is a calculated measure indicating the proportion of full-time participation (full day, full week) in the education system, calculated by adding the FTE values of the enrolments. A school-age enrolment in Grades 1-12, enrolled full-time, is considered 1.0 FTE. For secondary school-age enrolments, four courses are equal to 1.0 FTE. For adult enrolments, eight courses are equal to 1.0 FTE. Full-time equivalent (FTE) enrolment figures take into account students who attend school on a part-time basis or who take more than a full-time course load.
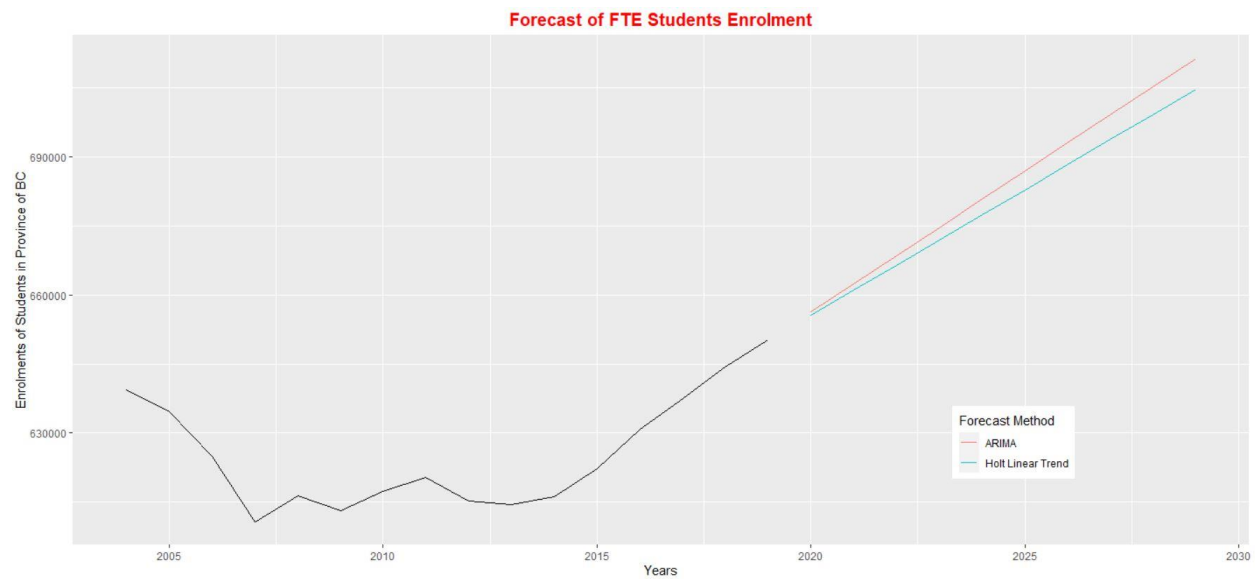
Objective of the Project:

❖ **Analyzing Enrolment data**

❖ **Enrolment in Public Schools**

❖ **Admission in Independent Schools**

❖ **Ratio of Enrolment between different genders**

❖ **Displaying Admission of each year**

❖ **Co-relation**

❖ **Forecasting using different Models**

In the above mentions objective the main aim of this project to forecast the future enrolments along with FTE Enrolments by using Holt Linear Trend Model and Arima Model.

Forecasting Future Enrolments from 2020 – 2030.

Forecasting FTE Enrolments from 2020 – 2030.

Conclusion:

By visualizing the above graphs it's very transparent that the enrolments of student might be decreased in future, however the FTE enrolment tends to increase in future. Based on this report the BC Provincial government should work hard and make new strategies to attract more student enrolment.