

Analysis of the Relation Between Education Factors and Economic Growth

Abstract

Education plays a huge role in a country's growth. It is the fundamental factor for development. Education improves a person's productivity and promotes entrepreneurship and advances in technology. Like mentioned, Education can play a huge role in increasing the innovative capacity of a country which in turn helps in developing many new technologies which will help in improving the economic growth of a country exponentially. This project focuses on studying the correlation between GDP per capita of a country and factors like Primary enrollment, schooling year life expectancy rate, primary enrollment, education expenditure and population growth. We also compare the mean factors of all countries and compare countries with high GDP and high education related factors.

The case study project addresses the following research tasks:

1. Analyze the GDP growth of a country and compare each countries growth by analyzing the rate of other education factors like education expenditure, primary enrollment and schooling years.
2. Explore all factors for selected countries which have high ranking with respect to education and also compare them with India.
3. Model using multiple and linear regression model and show the relationship between mean schooling years and GDP for India.

Dataset Title: Global Education and GDP factors (1999 - 2016)

Dataset Source: This data has been made publicly available by the [data.worldbank](https://data.worldbank.org/) and [ourworldindata](https://ourworldindata.org/) websites. Acquiring various factors from both websites, I have merged into one dataset.

The dataset is in .csv format

