

## **The Impact of Demographic Changes on Economic Growth in Egypt**

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There are many important relationships between demographic change and economic growth, Demographic changes having a strong impact on economy, especially in GDP and there are many of interconnections between them. As the result of the official statistics in Egypt the demographic variables had many changes in recent years. This study will describe some of demographic variables such as life expectancy at birth, Education rate of women to men, Relative distribution of the population by age group, Fertility rate, and Labor force in Egypt during the period 1980 to 2010. This study will analyze and test if there is a significant relation between the demographic variables and GDP, it will also measure the impact on economic during this period. It will give an interpretation of these relationship and link between them whether positive or negative relation and calculate the regression equation to predict GDP depending on demographic variables using the regression in simple and multiple forms, linear and non-linear methods. This study will use statistical measures to test the efficiency of the estimates.

It should take the most benefits of these changes and opportunities that arise from these changes, do more official statistics studies in Egypt that illustrate these overlaps and prepare development policies and strategies which lead ultimately to improve the economic growth rates on short, medium and long run.

**Key Words:** Population characteristics, economic growth, age structure, life expectancy