

Using Business Analytics to Evaluate the Impact of Aging and Population Life Expectancy on the demand of Social Security Benefits in Jordan.

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Abstract

This study aims to investigate the impact of aging and life expectancy of the population on the demand for social security benefits in Jordan and the moderating role of the level of economic development between these factors. This study used real data from the United Nations database, as updated in 2022. The 2022 review spans 47 years, from 1976 to 2022, about population life expectancy and the ratio of the elderly to the working-age population as an indicator of aging, data of the Social Security corporation in Jordan about the numbers of retirees who were allocated pensions from 1984 to 2022, and the World Bank database about the per capita GDP in Jordan.

The study used the Jordanian GDP per capita as an indicator of the level of economic development, the average life expectancy of the population for Jordanians, the ratio of the elderly to the working-age population as an indicator of aging, and the statistics of the Social Security corporation about the development of the total number of retirees annually for a period of 46 years (1976-2022).

The collected data was analyzed using SPSS as a tool for predicting and determining the influence between factors. The results showed a statistically significant and positive effect of aging and the average life expectancy of the population on the demand of social security benefits, with a moderating role for the level of economic development among these factors.

This study adds to the relevant literature by demonstrating the moderating role of the level of economic development between aging, population life expectancy, and demand for social security benefits. In this context, some theoretical and managerial implications are proposed and discussed, eight Recommendations was listed in chapter five such as the necessity to conduct more studies regarding the research topic to study the rest of the variables that may affect the demand for social security benefits and reduce the knowledge gap in this regard by SSC.

Keywords: aging, level of economic development, life expectancy, social security, business analytics.