

Abstract

Project Title : Forecasting the Number of Undergraduate Students
 By the ARIMA Model
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The purpose of this project aims to investigate numbers of undergraduate student who will study in Construction Management, Faculty of Architecture and Design, Rajamangala University of Technology Rattanakosin to create the appropriate forecasting model of numbers of undergraduate student by ARIMA and forecasting model of numbers of undergraduate student who continue to study in Bachelor Degree major in Construction Management, Faculty of Architecture and Design, Rajamangala University of Technology Rattanakosin during 2017-2021 by ARIMA method. 18 Dataset is time series of undergraduate student numbers which type are quota, exam and Office of the Higher Education Commission type during 2011-2016.

The result reveals the number of undergraduate student who will study in Construction Management, Faculty of Architecture and Design, Rajamangala University of Technology Rattanakosin.

For quota type, the number of undergraduate student in 2017 is 30, 2018 is 31, 2019 is 37, 2020 is 41, and 2021 is 46 respectively.

For university examination type, the number of undergraduate student in 2017 is 83, 2018 is 63, 2019 is 89, 2020 is 73, and 2021 is 46 respectively.

For Higher Education Commission type, the number of undergraduate student during 2017-2021 is statistic number which are 10.

Such forecasts. It found that the data did not have a Unit Root, which shows that The data is static at the 1st Difference level. The results of this study. Consistent with the presupposition.