

## عنوان مقاله:

Forecasting Renewable Energy Generation in Iran by Data Science Method

## محل انتشار:

مجله بین المللی مهندسی صنایع و تحقیقات عملیاتی، دوره 5، شماره 3 (سال: 1402)

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## خلاصه مقاله:

The increasing demand for renewable energy sources has prompted the need for accurate forecasting of renewable energy generation. This paper focuses on the application of data science methods to forecast renewable energy generation in Iran. The aim is to develop a reliable and efficient model that can assist in strategic planning, grid management, and decision-making processes. Various data science techniques, including time series analysis, machine learning, and artificial neural networks, will be employed to analyze historical data and predict future renewable energy generation patterns. The results of this study will provide valuable insights for policymakers and stakeholders in the renewable energy sector. The increasing demand for renewable energy sources has prompted the need for accurate forecasting of renewable energy generation. This paper focuses on the application of data science methods to forecast renewable energy generation in Iran. The aim is to develop a reliable and efficient model that can assist in strategic planning, grid management, and decision-making processes. Various data science techniques, including time series analysis, machine learning, and artificial neural networks, will be employed to analyze historical data and predict future renewable energy generation patterns. The results of this study will provide valuable insights for policymakers and stakeholders in the renewable energy sector.

## کلمات کلیدی:

Forecasting, Renewable Energy, Generation, Data Science

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1901855>

