

ROOQUE BYTE ANALYTICA

NEMISA HACKATHON 2021

The team that made it happen

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Problem Statement

Construct a predictive algorithm to determine which economic sectors have the highest impact in the reduction of unemployment and which economic sectors contribute the highest to the increase in employment rate, which can help the government with proper resource allocation and investments within economic sectors.



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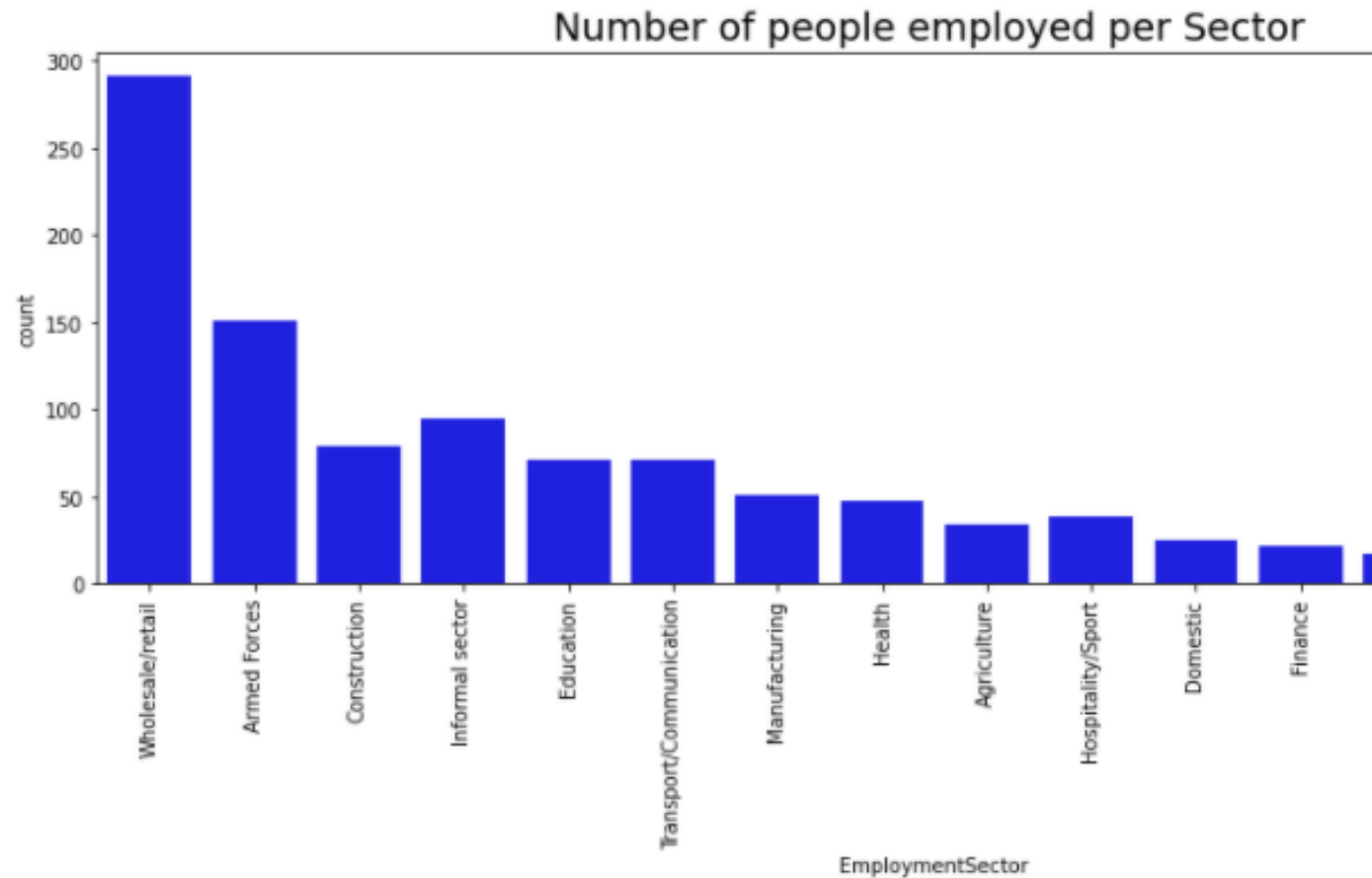
Exploratory Data Analysis

Data used:

- Issued by the Limpopo provincial government

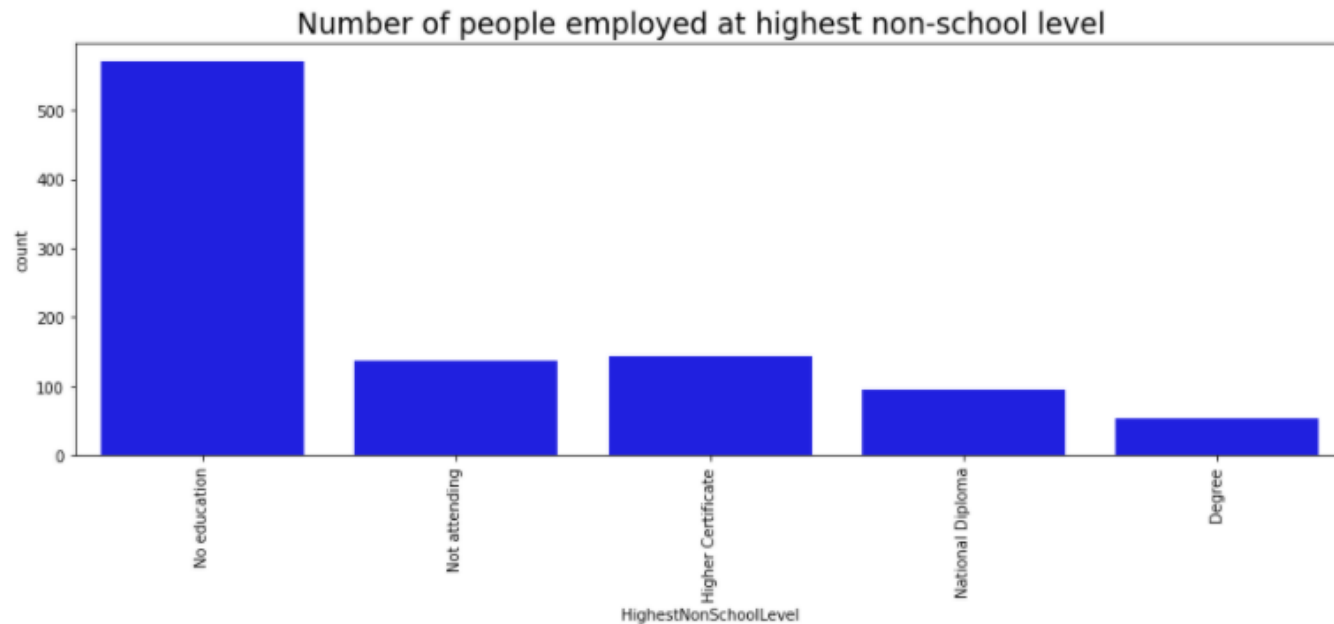


Number of people employed per sector



- Highest : Wholesale/retail
- Armed Forces
- Construction

Number of people employed at highest non-school level

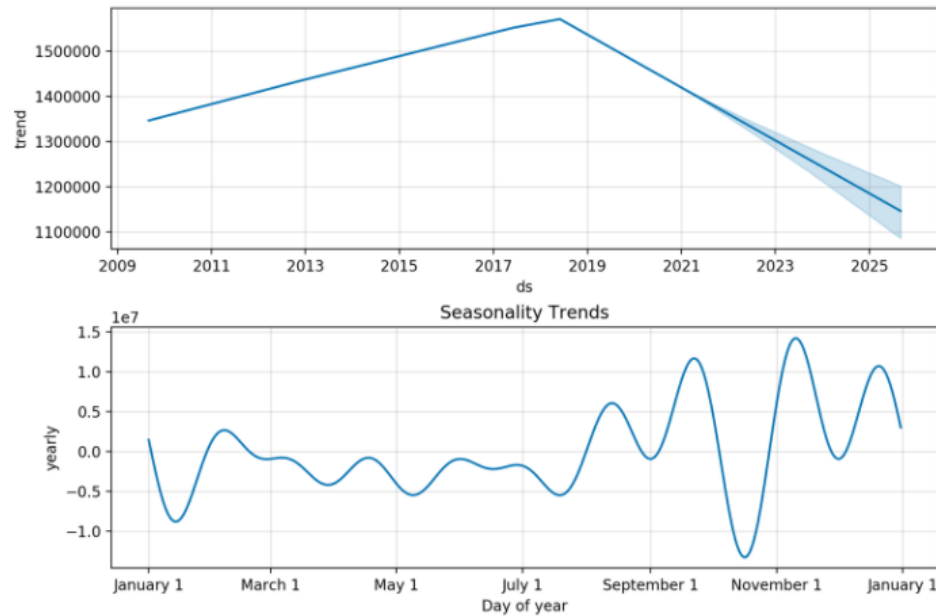


- Highest: No education

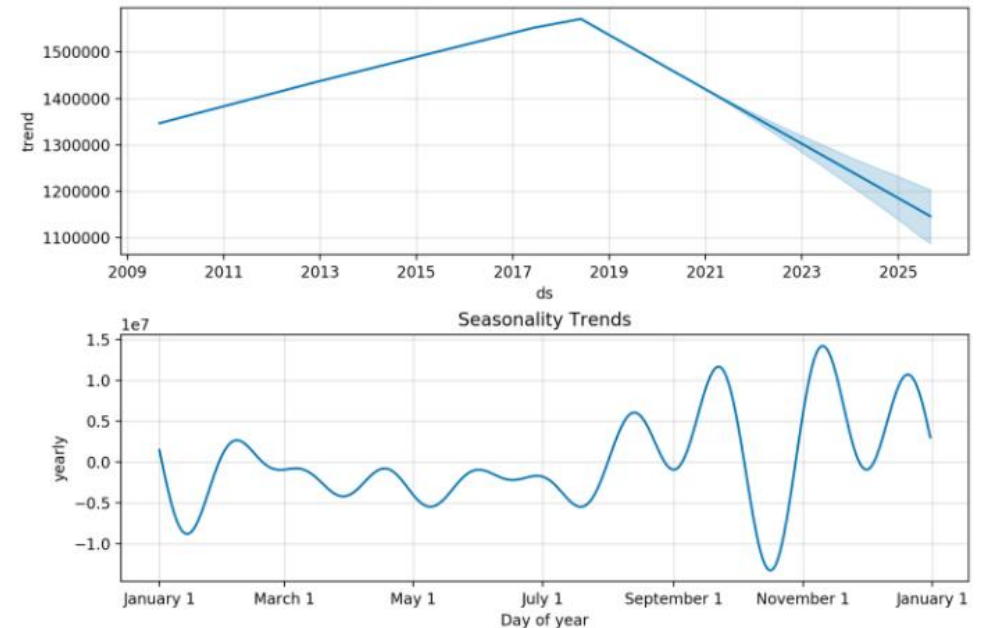
Employment Sector Time Series

- Downtrend we see in the sectors.
- How the Employment forecast is in the next 5 years

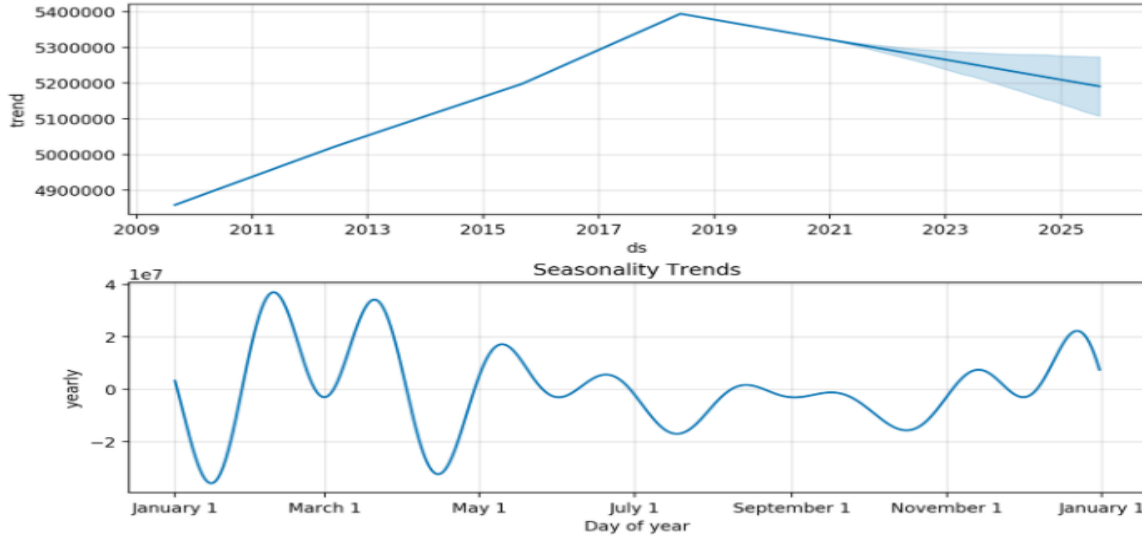
Mining and quarrying



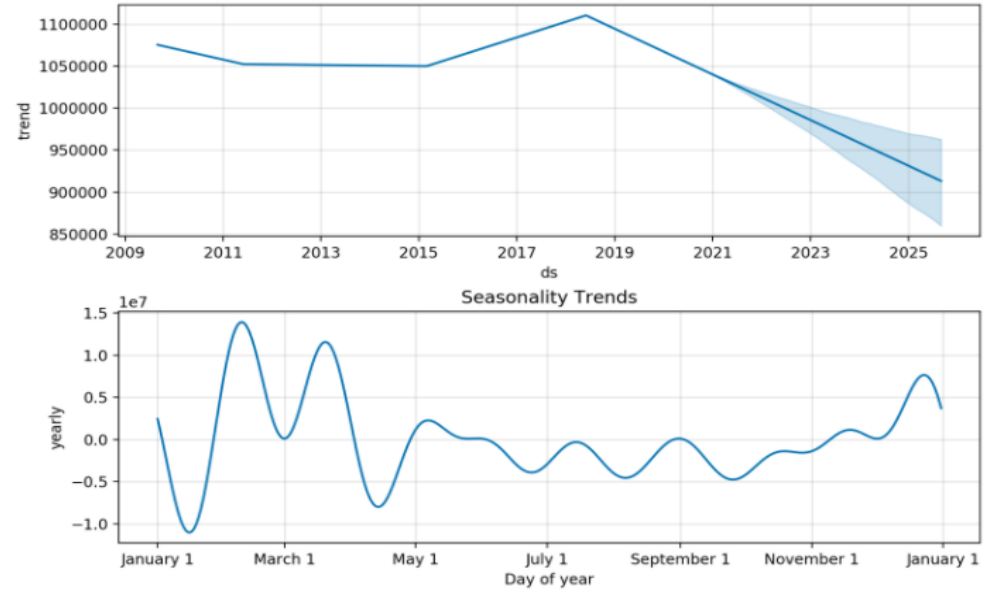
Construction



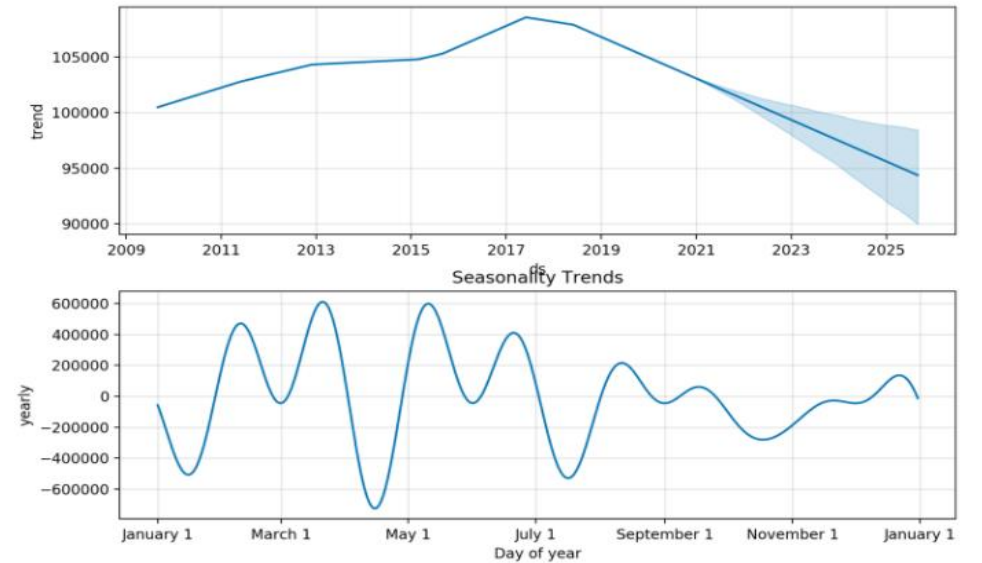
Financial intermediation, insurance, real estate and business services



Manufacturing



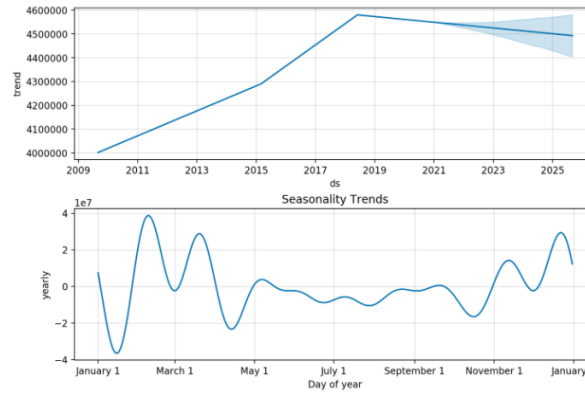
Electricity, gas and water supply



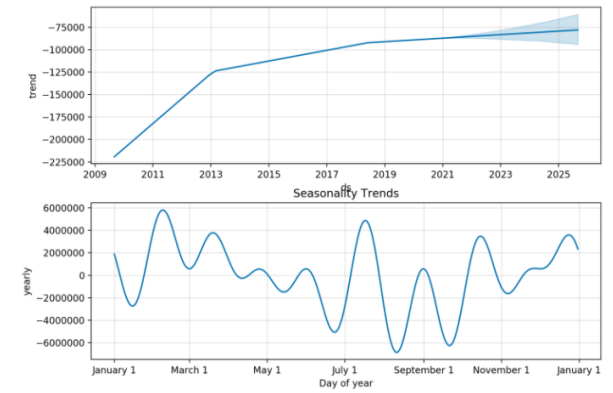
- Downtrend Continues

Employment Sector Time Series

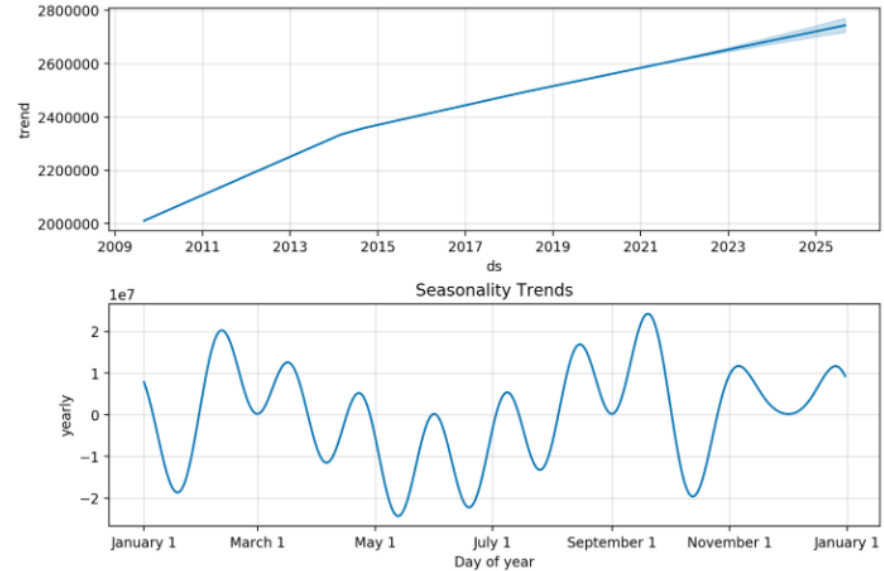
Wholesale, retail and motor trade; hotels and restaurants



Transport, storage and communication



Community, social and personal services





THANK YOU



CONCLUSION



THANK YOU

