Kaan Ege Ege, Ugur Ege, Ozan Yavuz Ustalar and
Ozan Ozturk
Group 7
Division Bell
Department of Data Science
Koç University, Istanbul, Turkey
{kaanege,uegeege,ozanyavuzustalar,ozanozturk}@ku.edu.tr

Turkish Natural Gas Market

Introduction

Turkey is one of the world's fastest-growing energy markets, with demand more than doubling over the last decade. Unlike Turkish Petroleum, a state-owned company that is fully or partially owned by international companies, such as petrochemicals, Crude's natural, Exxonmobil, Chevron, and Total, the Turkish natural gas market is dominated by the state-owned company Botas, which controls the majority of the market. The Turkish natural gas market is characterized by a high degree of government intervention, with the government setting prices and controlling the supply and demand of natural gas. The market is also characterized by a high degree of dependence on imports, with Turkey importing most of its natural gas from Russia, Iran, and Azerbaijan. The Turkish natural gas market is also characterized by a lack of transparency and a lack of competition, with the government controlling the supply and demand of natural gas. The Turkish natural gas market is also characterized by a lack of transparency and a lack of competition, with the government controlling the supply and demand of natural gas.

- The Global Gas Market
- The Turkish Natural Gas Market

Key Takeaways

The report shows some insights about **Natural Gas Market in Turkey** during and post-crisis, the most notable:

- Turkey's demand for natural gas is growing at a rapid pace, with demand more than doubling over the last decade.
- Turkey's natural gas market is dominated by state-owned companies, such as Botas, which controls the majority of the market.
- Turkey's natural gas market is characterized by a high degree of government intervention, with the government setting prices and controlling the supply and demand of natural gas.
- The Turkish natural gas market is also characterized by a high degree of dependence on imports, with Turkey importing most of its natural gas from Russia, Iran, and Azerbaijan.
- The Turkish natural gas market is also characterized by a lack of transparency and a lack of competition, with the government controlling the supply and demand of natural gas.
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Preparation and Exploration of the Data

We use Jupyter Notebook and Google Colaboratory for analysis. We use various libraries in Pandas and Numpy.

Steps:

- Importing the data and Exploration of the Dataset
- Cleaning the data if necessary
- Exploring the data in order to gain insights and discover patterns
- Visualizing the data in order to organize common information
- Creating Models and Analysis

Pre-processing the Data

Pre-processing is the process of cleaning and preparing the data. Firstly, we start with pre-processing phase. In pre-processing phase, we do the following steps: Importing the data, Cleaning the data.

Initial Gas Reference Price Data

Previously, gas prices were calculated based on Brent Petroleum Spot Price and exchange expenditures. We have found all the factors affecting the price of natural gas in the following table.

```
[nan 'Date' 'Gas_Reference_Price' 'Exchange' 'Brent_Spot_Price']
```