

research proposal

state violence and socioeconomic indicators .

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hypothesis 1

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there is a negative correlation between the state violence rates and qualified migration rates in a country

hypothesis 2

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during the peaks of state violence in country, the FDI decreases along with the increase of the fluctuations in the stock market.

Our **PURPOSE** is to examine the cross correlations between the *Foreign Direct Investment, Qualified Migraton Rates and State Violence Rates* comparatively between *Turkey* and *Argentina*.

We will start by comparing the Qualified Migration Rates and the State Violence Rates during the peaks of each country’s State Violence Rates.

Then we will observe the *stock market fluctuations* and the Foreign Direct Investment in both countries based on the price changes of the selected *market indexes* that can offer an overview of the main companies of the two countries: *BIST 30* and *IMV*.

Finally, we will reveal the similarities and differences between the two countries during a common time period during which peaks in state violence occurred.

METHODS

Cross-correlation analysis

to compare the relationships between State Violation Rates and our selected indicators

Linear regression

to see the effect State Violation Rates on each indicator

Data Visualization

to reveal the comparison visually between the two countries

SOURCES

Main Libraries and Tools

pandas for correlation analysis

statsmodels for linear regression

matplotlib for data visualization

tableau for data visualization

design

Databases

yahoo finance for index price data

Uppsala Conflict Data Program

for violence data

OECD FDI Statistics for FDI data

The World Bank Database for

qualified migration data