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# 'R'mut Group Project

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# Project Scope

Interest rate decisions have been much discussed due to exchange rate fluctuations in the last two years. So we tried to reveal the effect of TCMB interest rates on markets in this project

## Dataset

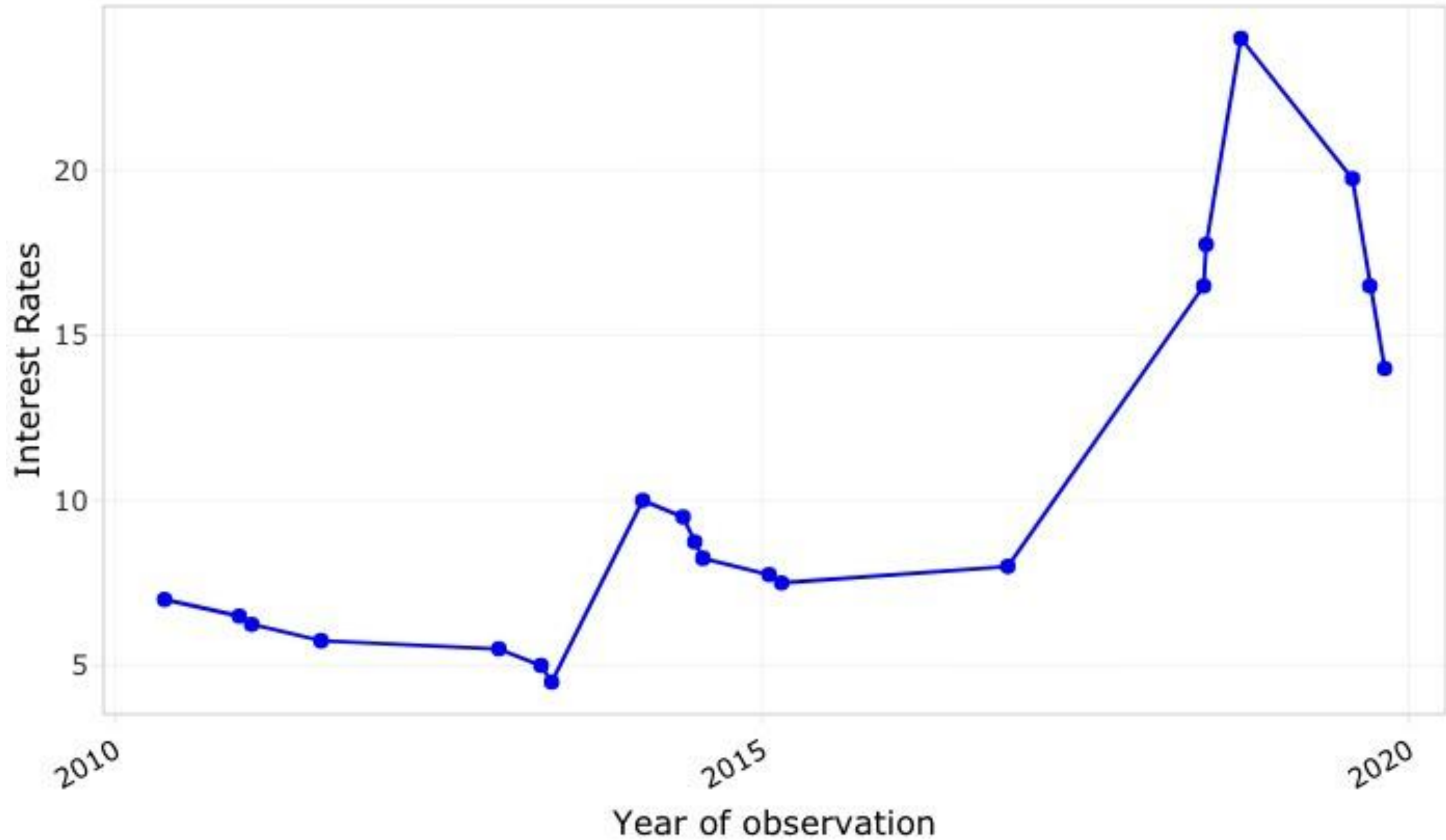
- TCMB Interest Rates(10 years)
- USD/TRY rates

# What we did?

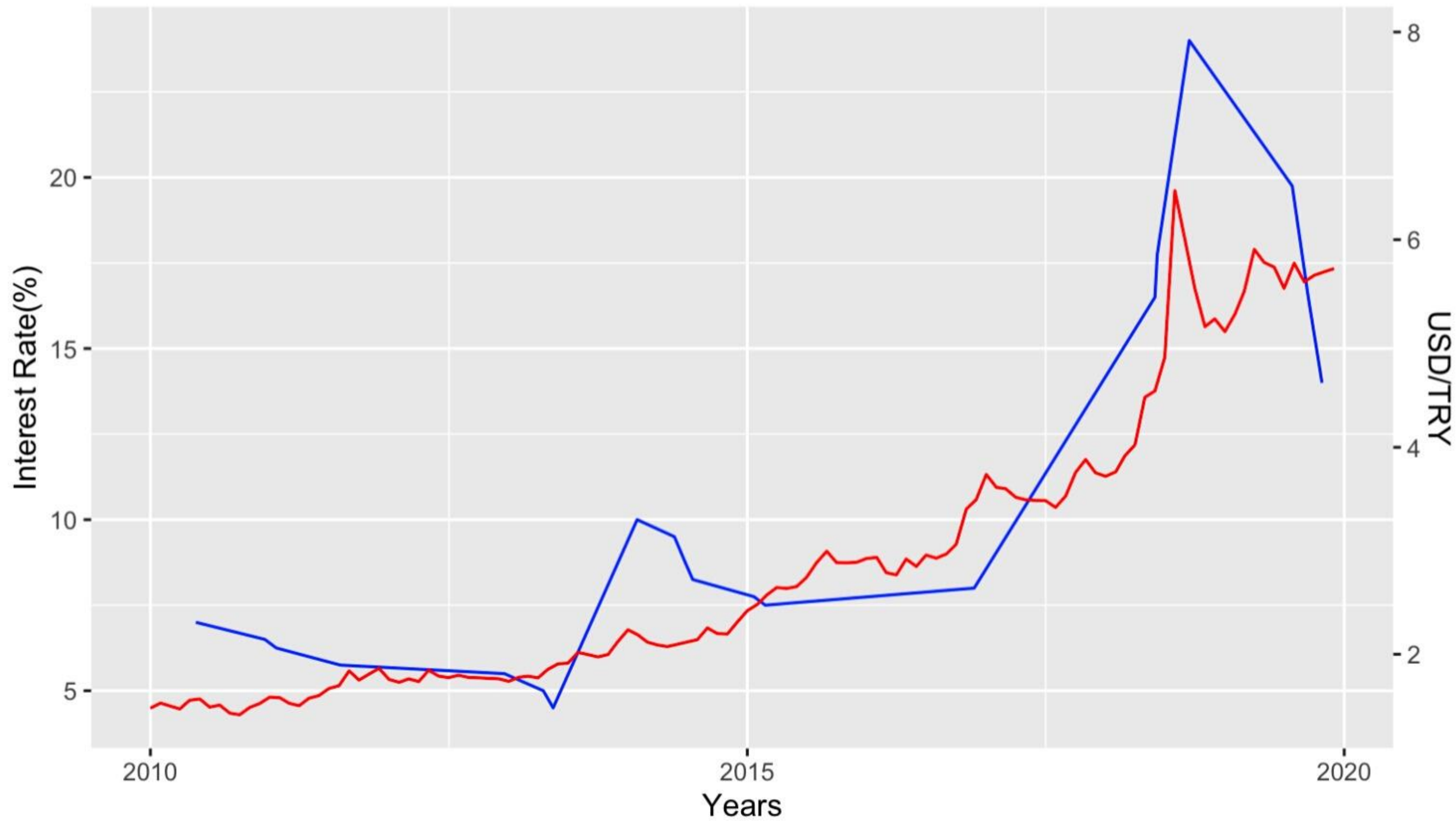
- We examined the of TCMB interest rates decisions on the USD/TRY rate
- Investigate CPI,PPI rates and compare price indexes(ÜFE-TÜFE)
- Investments on technology
- Import-Export and Trade Balance
- GDP and Growth Rate

# Interest Rate

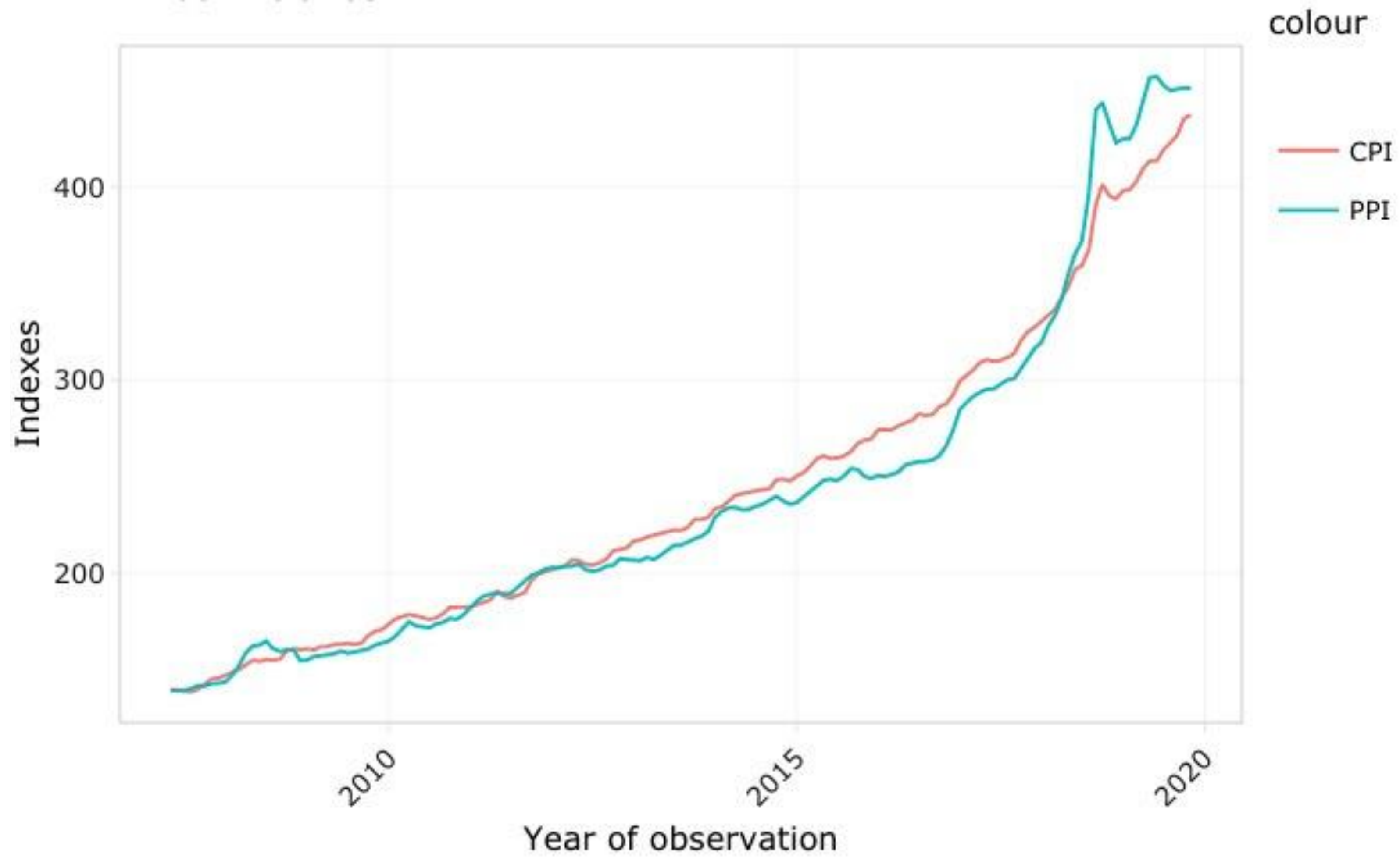
TCMB Interest Rates



# TCMB Interest Rates vs USD/TRY

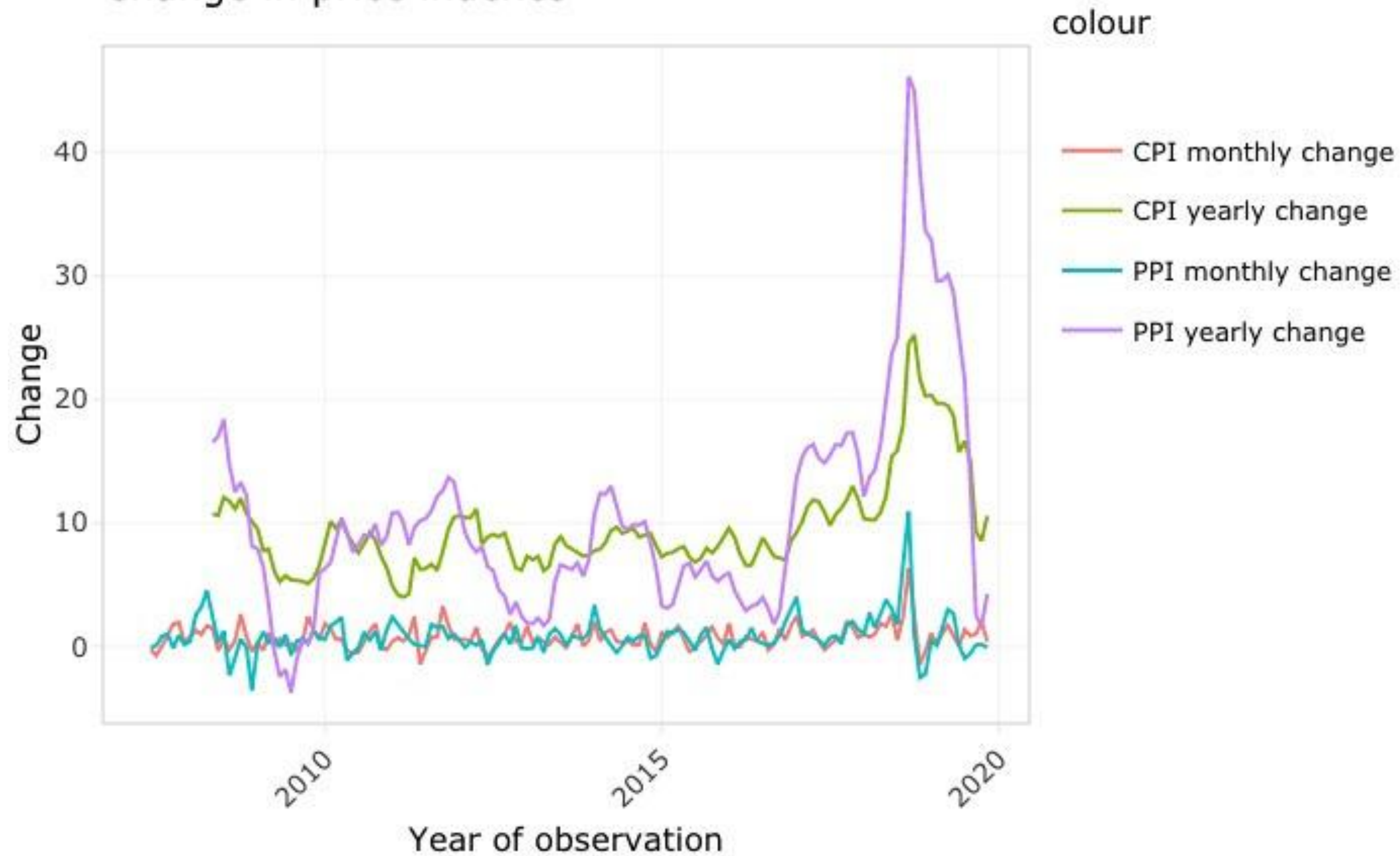


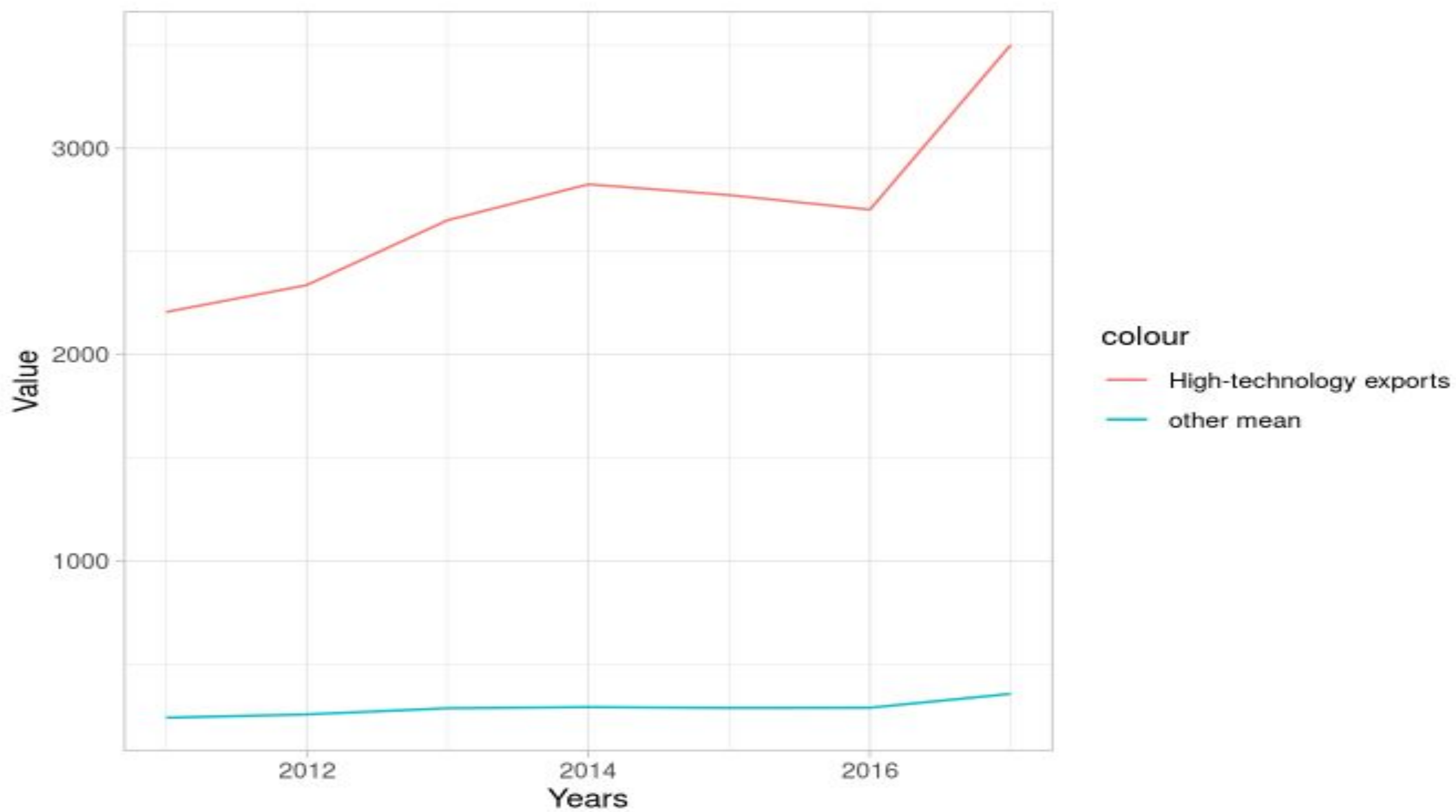
## Price Indexes





## Change in price indexes



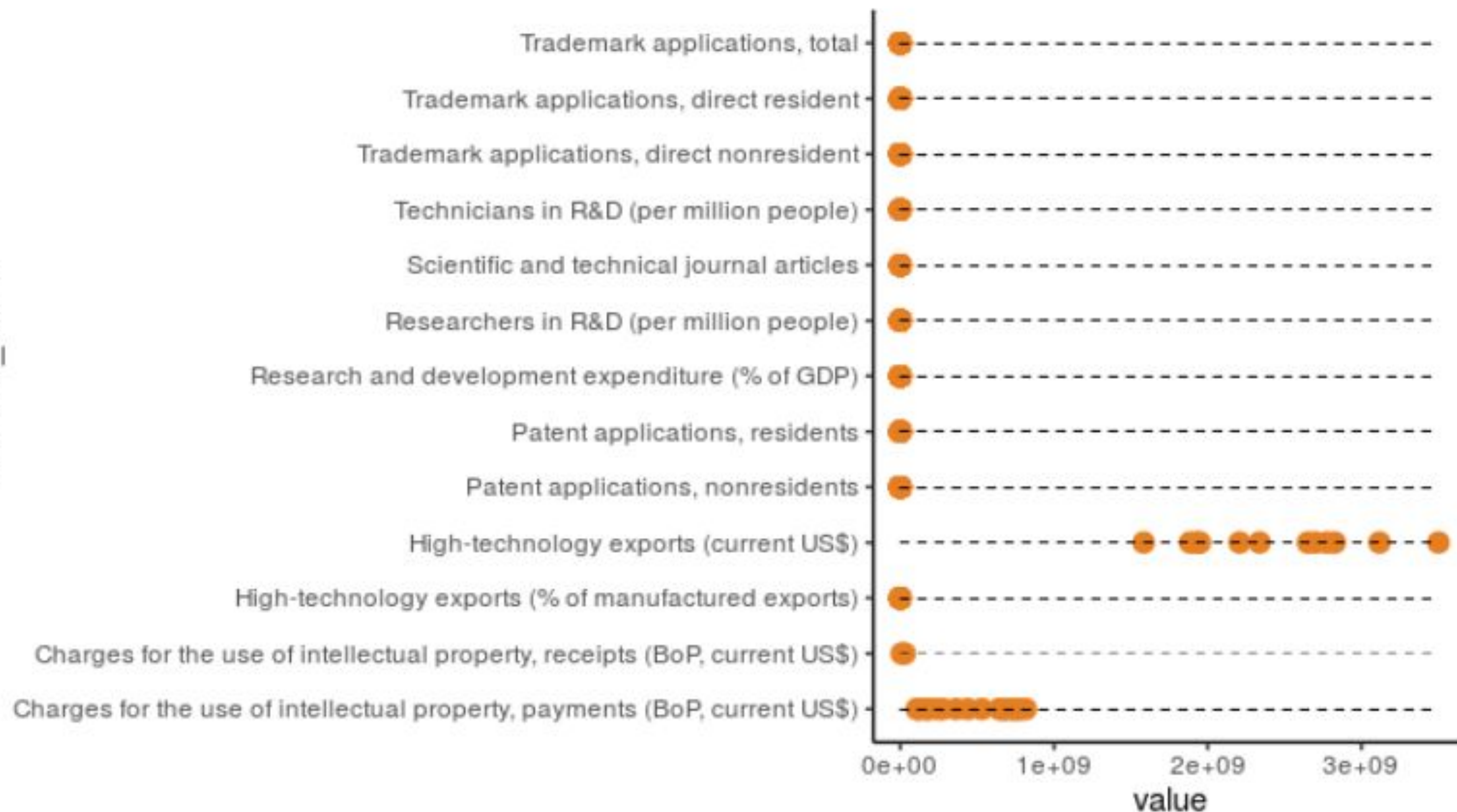




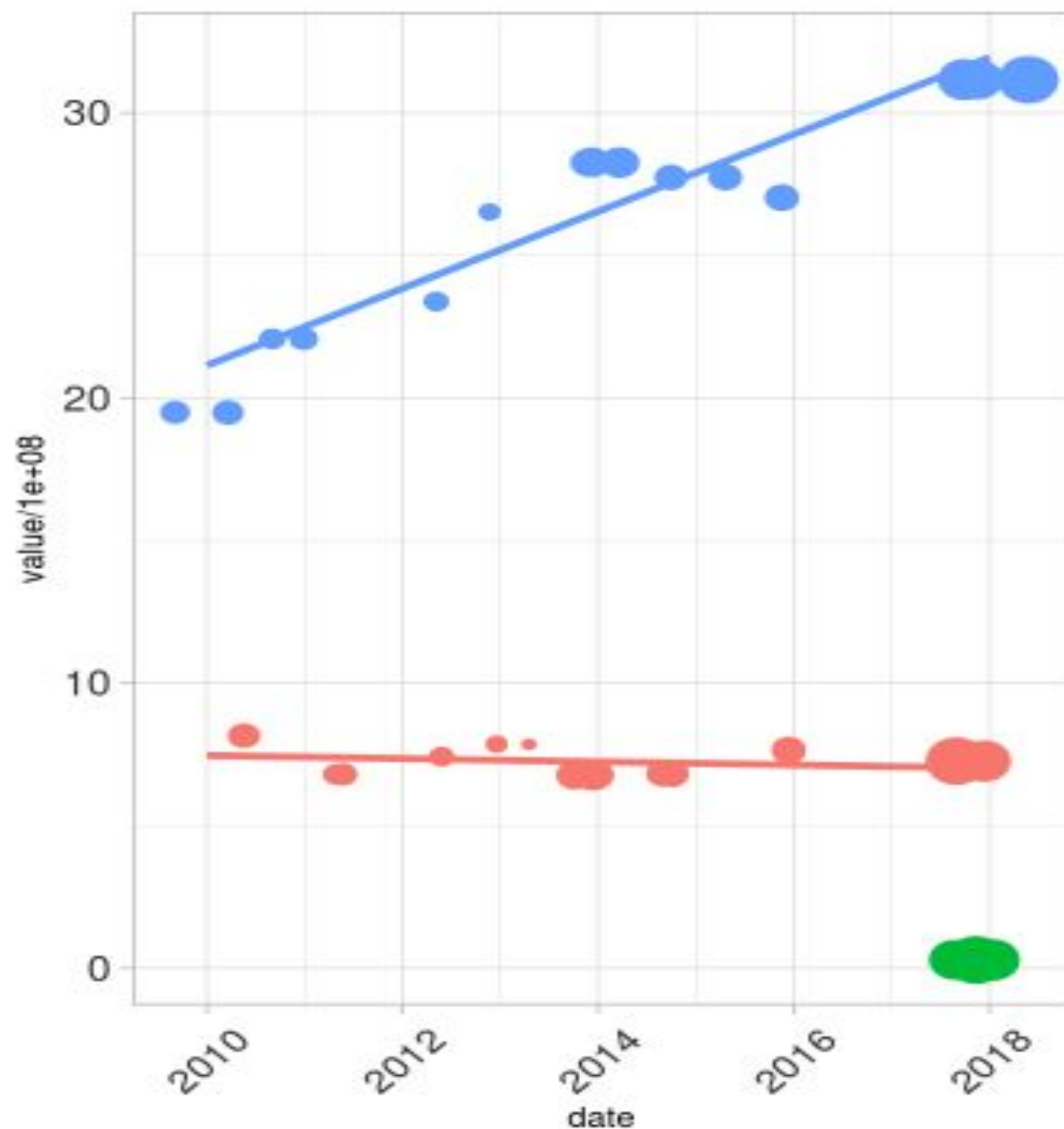
indicator\_name

## Dot Plot

Indicators vs Values



# TECH EXPORT VS INTEREST RATE



indicator\_name

Charges for the use of intellectual property, payments (BoP, current US\$)

Charges for the use of intellectual property, receipts (BoP, current US\$)

High-technology exports (current US\$)

rate

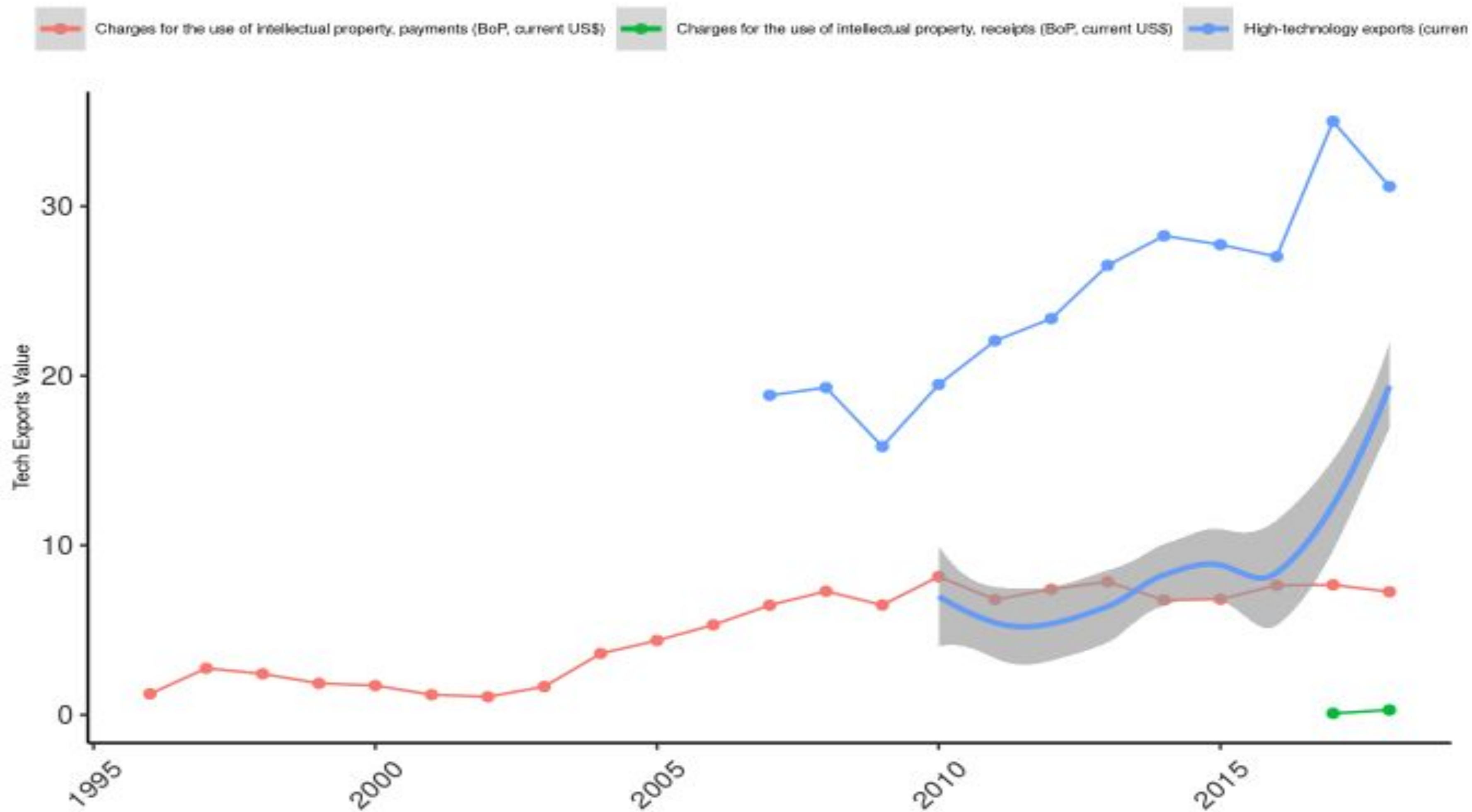
5

10

15

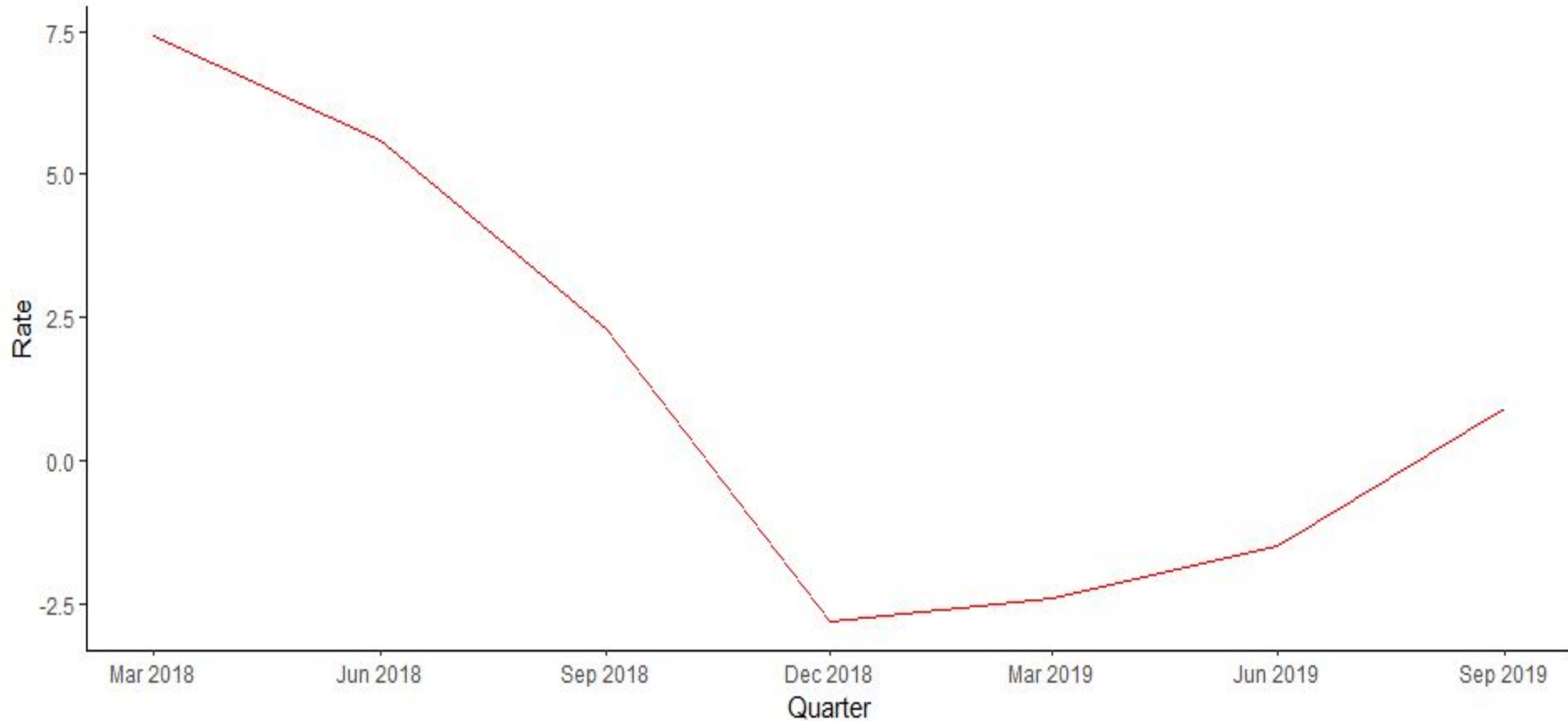
20

Tech Exports Rates vs Interest rates



# GDP Growth Rate

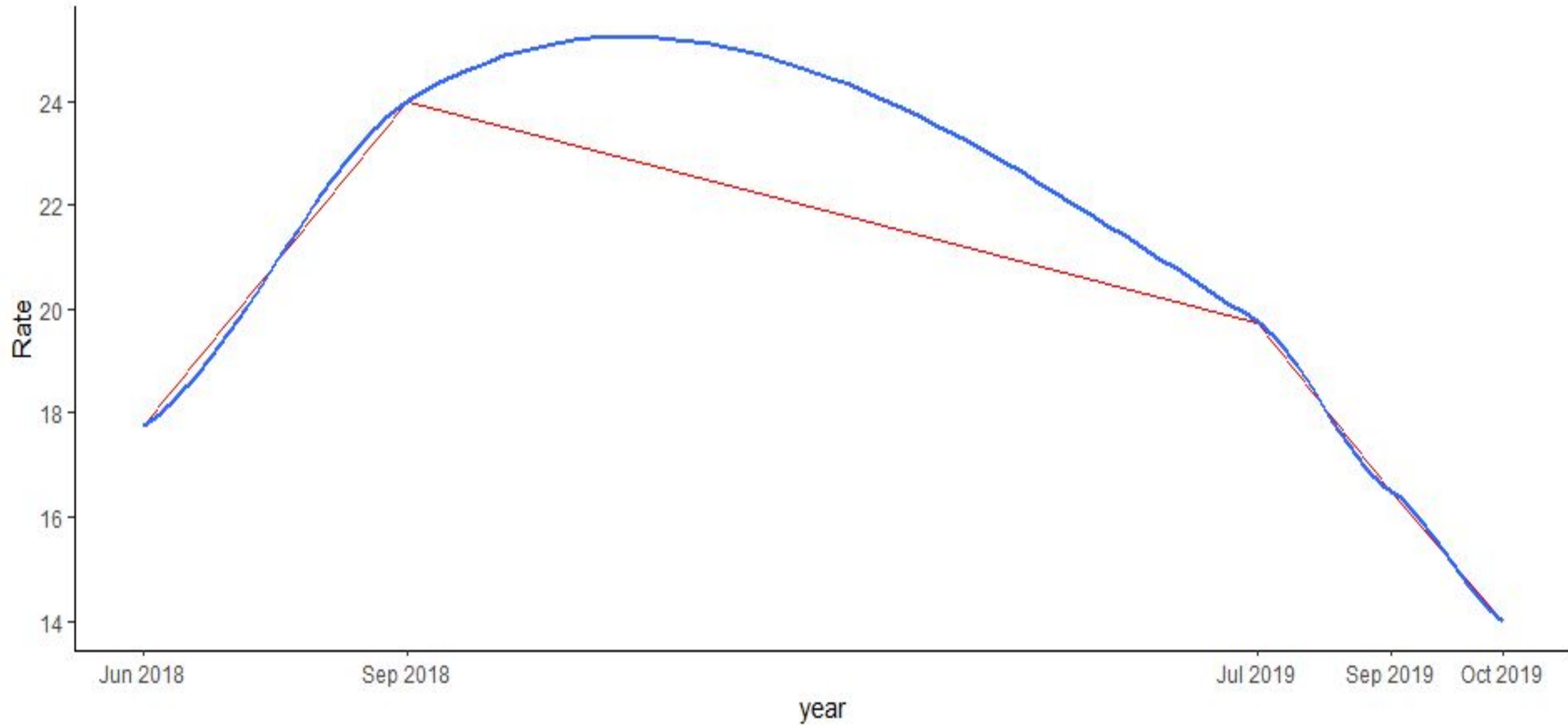
GDP Growth Rate over the last years



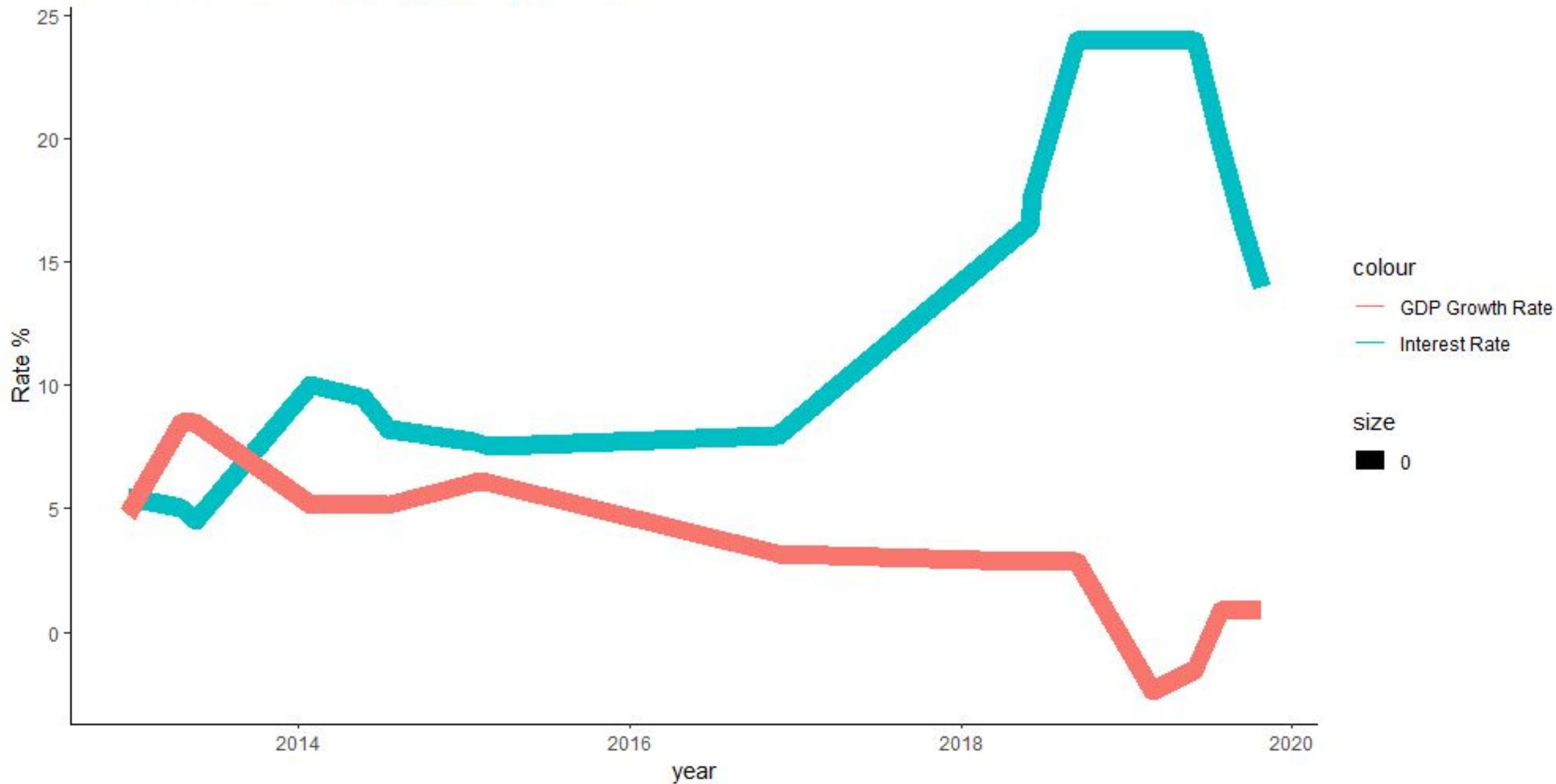


# Interest Rates Chart

Interest over the Last Years

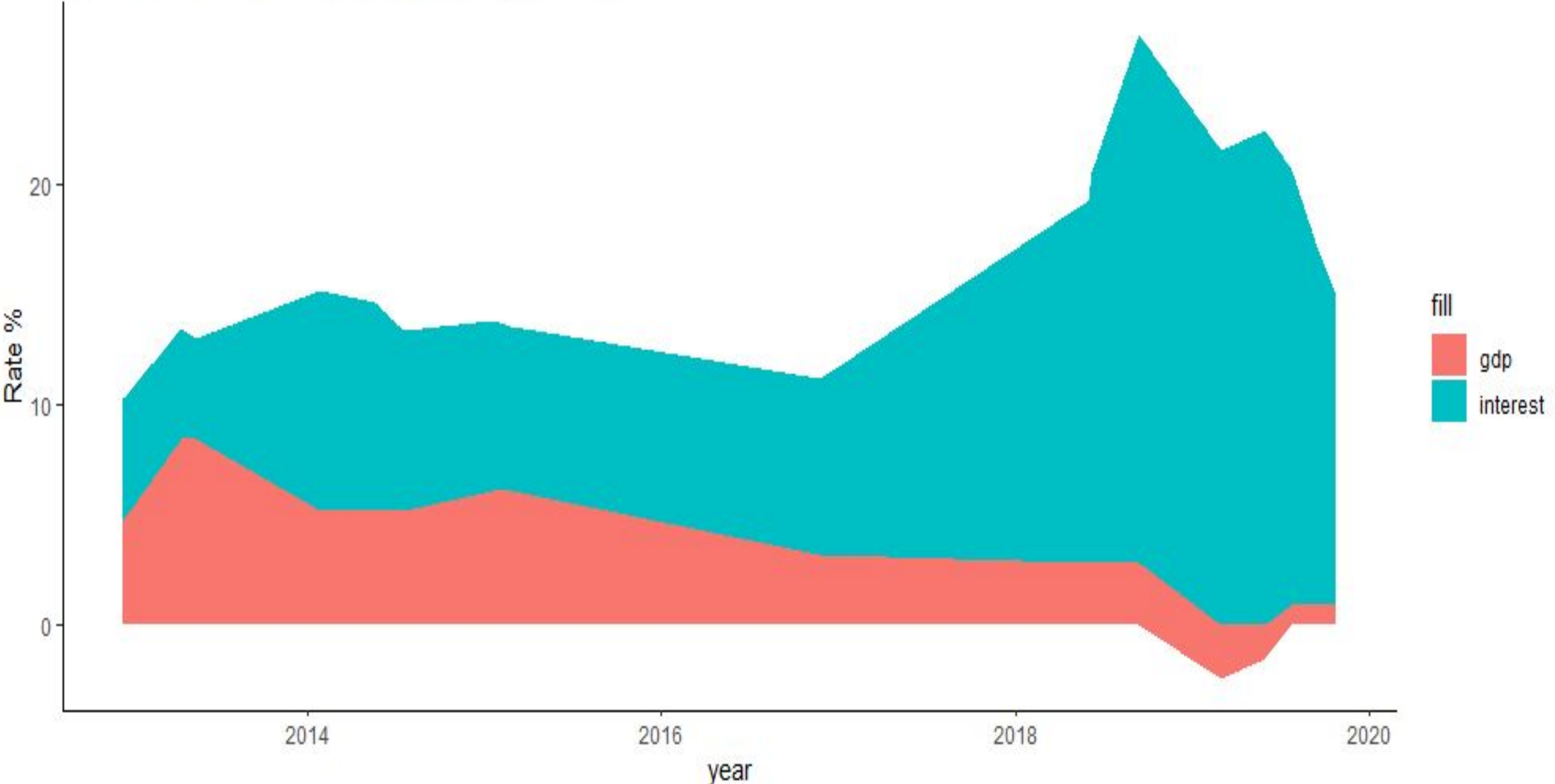


Correlation between Interest and GDP Growth



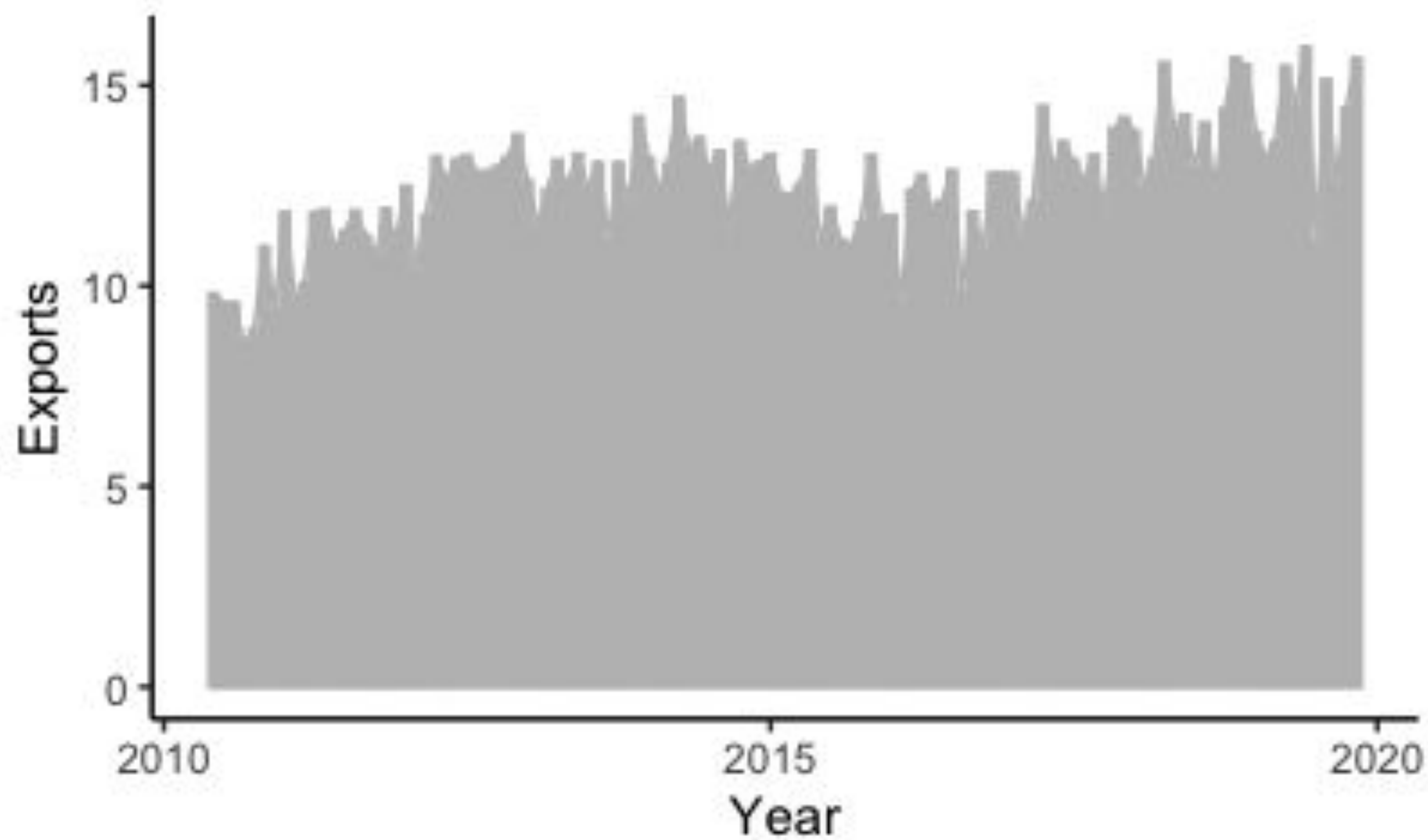
Source: TUIK

Correlation between Interest and GDP Growth



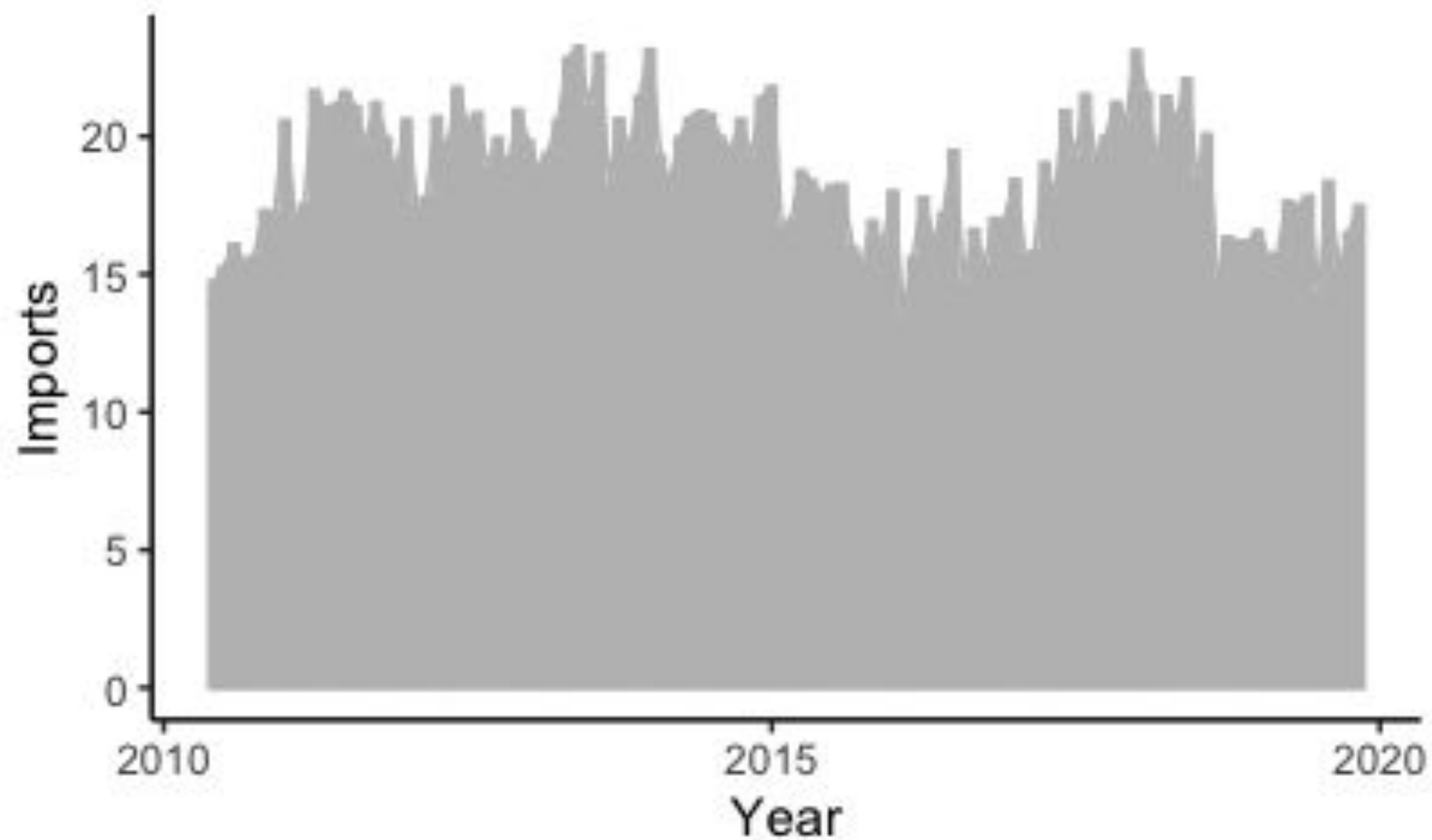


## Exports (USD in billions)



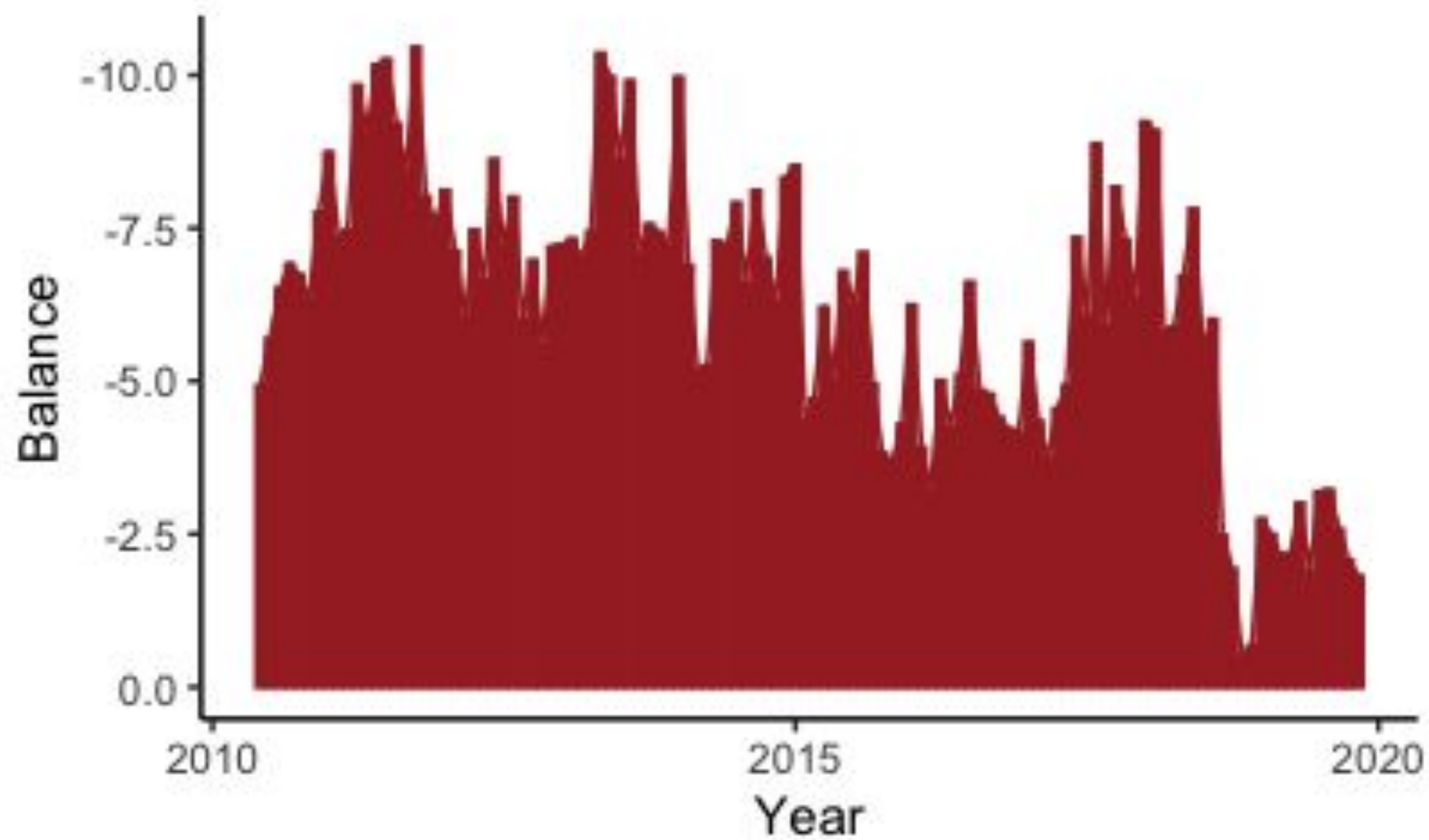
Source: TÜİK

# Imports (USD in billions)



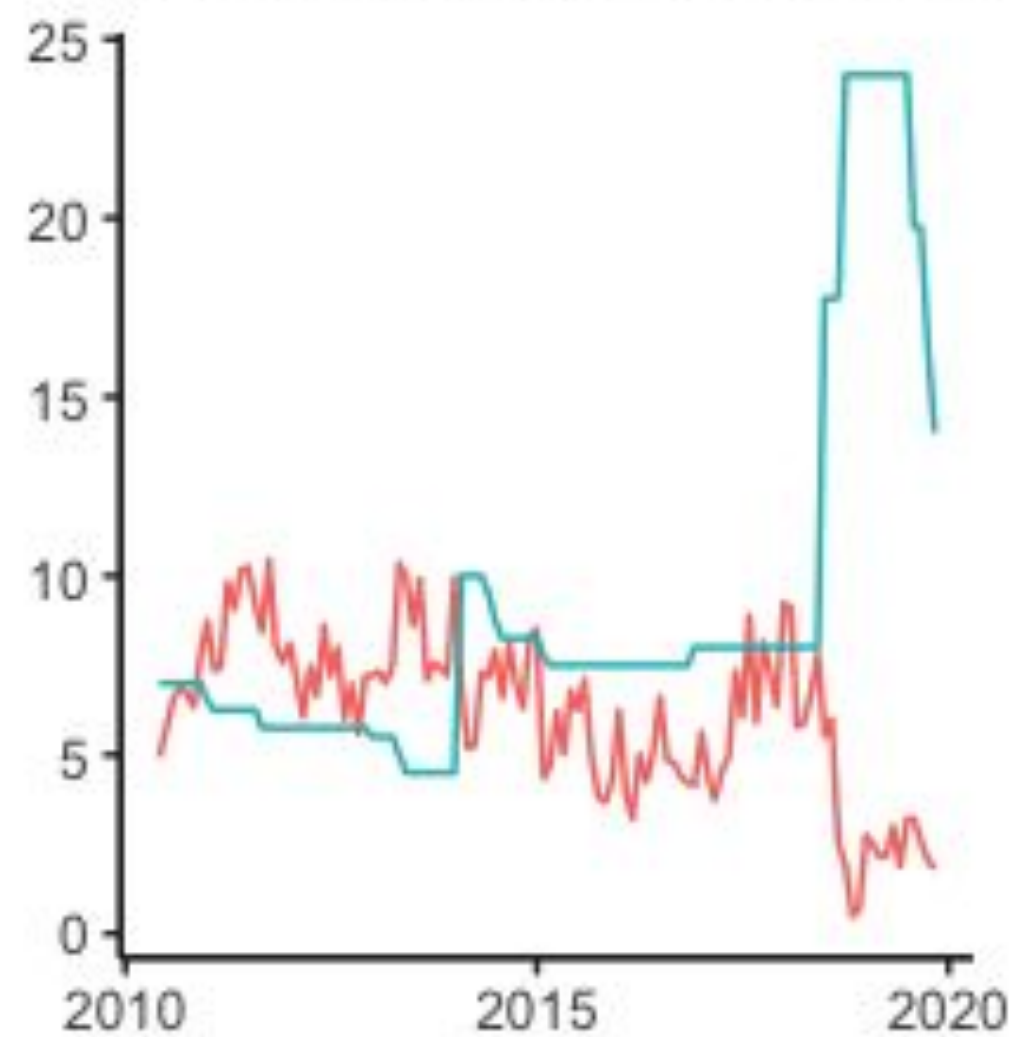
Source: TÜİK

# Foreign Trade Balance (USD in billions)



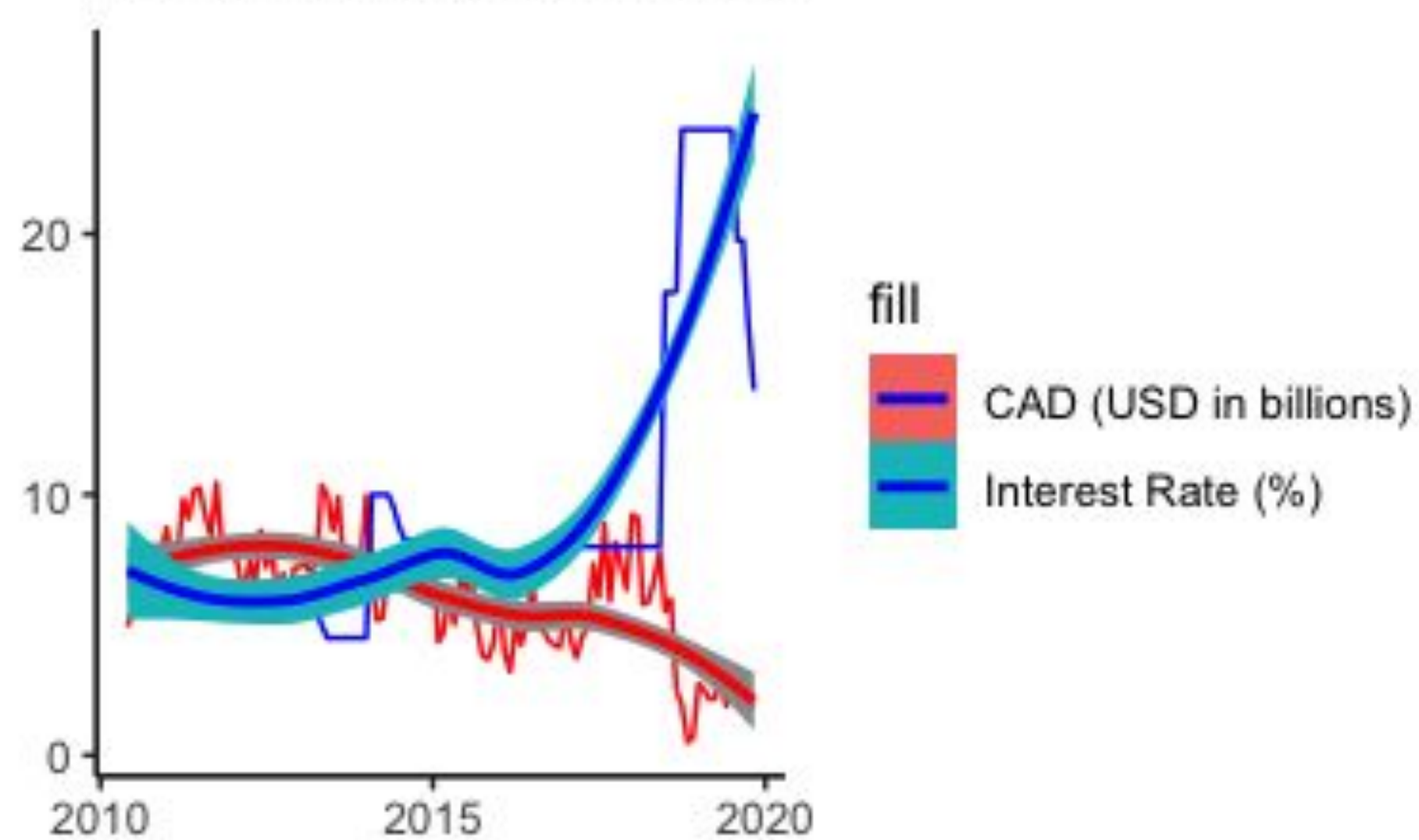
Source: TÜİK

Current Account Deficit



Source: TÜİK, TCMB

Current Account Deficit



Source: TÜİK, TCMB

