

ABSTRACT

The theme: “How does news related to war affect the exchange rate in Ukraine?”

Master thesis: 87 p., 25 fig., 2 appendixes, 25 sources

Master thesis is devoted to the analysis of an effect of war-related news on the exchange rate's fluctuations in the black currency market. In-depth analysis of the black exchange market in Ukraine was performed and foreign exchange restrictions imposed by NBU on the official market was also studied.

Software product was developed both in Python and R for scraping data from the unofficial currency market and modeling dynamics of the exchange rate. Hypothesis regarding influence of war-related news on currency fluctuations was confirmed. Also, inefficiencies of the black currency market were found which could be used in practice.

Results were visualized using kernel density functions and tables.

The novelty of this work is applying socio-economical factors when modeling the dynamics of the exchange rate in the black market of Ukraine.

Further research is recommended to include data from current accounts in commercial banks, apply neural networks in modeling.

BLACK CURRENCY MARKET, MODELLING, METHOD ARIMA,
BOX – JENKINS METHODOLOGY, VOLATILITY MODEL, BAYESIAN
FRAMEWORK