PROJECT PROPOSAL FOR ARBITRAGÉ

A tool to analyze profitability of exchange ratios over interest

for SEN4015

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Abstract

Nowadays, with the effect of globalization on every business line, the rate of acceleration of the movements in the markets increases, which is a negative factor for investors in the business world. In the project we are trying to create as a solution to this problem is based on the idea of *arbitrage*.

In order to take advantage of price differences, we aim to create a graphical interface by creating an algorithm that can predict the profitability of money, precious metal, bond and stock trading transactions, and process these data with Matplotlib.

In this way, it is one of the main purposes of revealing this project for entrepreneurs and investors who will enter the investment ecosystem to carry out activities with less loss and high profit. Our project has a simple GUI and it is another of our goals to be simple and understandable, in the first stage, we aim to make the exchange rates and interest rates manually enter or keep them in the system as a fixed value, and one of our aims to set an example in revealing the idea and purpose of the project is the course of the project and our.

Depending on our workload, we aim to connect API's, thus collecting instant currency and commodity values from digital platforms.