

***Investment Agents for The Technological Market***

Agentes e Inteligência Artificial Distribuída

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Up to this point we have created a simulation of the technological stock market, where companies have products and managers, these managers can do certain things that affect future company value, products bring a constant revenue stream to the companies.

Outside of the companies we have the investors that can buy stock directly from each other and from companies.

The factor that determines the actions of an investors actions is its risk bias factor, this is how averse the investor is to risk, as such we now want to find the risk bias that gives the best return of investment for an investor after a given time period, this is obviously a regression problem.

As such we plan to have only one dependent variable:

* The investor risk bias factor

As for independent variables we plan to have:

* The duration of the investment period
* The number of companies
* The intelligence/stupidity factor of the company managers
* The starting capital of the agents
* The quality bias of the company