

FROM ECONOPHYSICS TO POLITICS

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In the last decades the simulations of the economic and social systems have had such a progress that one can ask if it is possible to simulate a whole society; and some attempt to do it has been made [1] Then one can ask : what relationship can be between the results of these simulations and the daily actions of the politics and of the economy?

The present job has the purpose to give a first answer to this question showing some examples of suggestions that the results of certain studies can give to politician as to daily work These examples concern

A remark that the famous Italian physicist Ettore Majorana did in his posthumous paper [2] as to a link between probabilistic nature of the laws of the Quantum Mechanical and free will , This remark can be connected to the superiority of a democracy in comparison to a dictatorship

Some studies with simulations of the electoral behaviors, showing opinions distribution similar in a lot of nations [3], [4] and in close relations with the results of a lot of political elections [5]. These distributions can give precise suggestions for the choice of a specific electoral system

The results of studies on the income distribution showing the existence of a almost universal law for these [6], [7] . Now if a fiscal system is interpreted as a transformation law of incomes values from the gross income to clean one [8], this can point out the way to build a " fair " fiscal system

A possible " physical " interpretation of the variations of the stock exchange value . If one considers this value , or the value of a single share as the position of a material point subjected to the laws of the Classical mechanics [9] [10] ,[11] one can deduce from its displacements information about forces causing the move of it and therefore about the actions needed to correct situations as the speculative bubbles that can damage economy

The job finishes with some considerations on the necessity of a greater popularization of the results of econophysics researches .

Keywords

Econophysics , electoral systems , income distribution , stock exchange analysis free will

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