



Seminario:

Giovedì 13 Aprile 2017

Aula Specializzazione Fisica Sanitaria, DiFC, Viale delle Scienze, Ed. 18, ore 11:00-12:00

Econophysics and Financial Economics: an impossible dialogue?

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Abstract

Econophysics and financial economics are two areas of knowledge dealing financial data. Scholars involved in these two fields work on the same empirical observations but “see” something different – Why? This presentation will deal with this question that refers to an existing methodological gap between financial economists and econophysicists. By focusing on statistical econophysics (i.e. study of macro-patterns), I will then show how econophysicists implicitly use minimalist idealization that they extend into financial economists by implementing a Duhemian way of using analogies. In contrast, financial economists found their works on Galilean idealizations presented through a Popperian rhetoric. These dissimilarities suggested that economists do not “simply” reject econophysics but that they have their epistemological reasons to act in such a way. In this challenging context, the question of a potential future dialogue will be discussed.