

# The turbulent behaviour of Mr. Trump

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Turbulence and turbulence-like phenomena are ubiquitous in nature. It has been found in the evolution of the universe, movement of atmosphere or ocean [1], paintings by Leonardo da Vinci [2] and van Gogh [3], collective motion of bacteria [4,5], financial activity [6] and the lithosphere deformation [7], to name a few. In a turbulent system, a large-range of scales of motions or fluctuations are involved, which leads to a status in between order and disorder, also known as chaos [8]. It is interesting to note that the word “turbulence” or “turbulent” was originally used for a long time for the unpredictable behavior of children or of a crowd, and was adopted in fluid mechanics only at the end of the XIXth century [9]. Nowadays, it is still widely used to describe the stochastic fluctuations of financial systems and the social disorders [10]. In this framework, any rigorous and long-term data set measuring indicators belonging to social or psychological domains, is interesting for studying social or psychological intermittency or turbulence. Here using the number of false or misleading claims by Mr. Trump, the ex-president of the United States of America by the *Washington Post*, the similarity between his behavior and the energy dissipation rate from the hydrodynamic turbulent flows is discussed. A direct measurement of the intermittency parameter  $\mu \simeq 0.16$  from the lognormal model is found. Moreover, a multifractal-random-walk test indicates a value of  $\mu \simeq 0.22$ , where the finite size effect is suppressed. This value agrees coincidentally well with the value of high Reynolds turbulent flows. It suggests that Mr. Trump's behavior is indeed intermittent and quantitatively, as well as qualitatively, turbulent.

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