Special Issue

Entropy and Epidemiology

Message from the Guest Editor

Some aspects of an epidemic are quite predictable, but there are other aspects that involve randomness and uncertainty. Entropy has proven to be one of the most robust measures of uncertainty, so it may provide a useful tool to analyze certain aspects of epidemics. The most obvious aspects of an epidemic that involve uncertainty are:

- The evolution of a disease via mutations.
- The spreading of the disease in a population.
- Monitoring an epidemic via sampling and testing.
- Modelling cause and effect, latent variables, confounders, etc. for predicting who will get infected and which infected individuals will develop the disease.

Researchers that have novel results on the use of entropy and related concepts in modelling and handling epidemics are welcome to submit their research to this Special Issue.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

Editor-in-Chief

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