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Why the asian camel has two humps or a peripatetic journey on the basis of redundancy and resilience

A major characteristic in biology is resilience. We witness in permanence resilience in form of redundancy in biological systems, the human has two kidneys, for example. At the same time biological systems are very efficient and do not waste resources. The aim of this talk will be to investigate resilience from a system theory and information theory viewpoint and to introduce concepts of fragility and anti-fragility. Indeed the topic is gigantic and has been investigated thoroughly in the past decades; however the topic is coming back as a hot topic especially with the emergence of networks as a major explicative factor of resilience. We will try to describe the latest developments.

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