

# Network complexity modelling of psychopathology to encompass symptoms, genetic and environmental influences

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Propositions appended to the dissertation:  
Network Complexity Modelling of

Psychopathology

*to encompass Symptoms, Genetic and Environmental Influences*

1. Affective dysregulation, genetic predispositions, and environmental exposures collectively shape the multifaceted landscape of psychopathology, warranting an analytical approach that employs both Experience Sampling Methodology (ESM) and network analysis. (This thesis)
2. The interaction of genomic and exposomic factors in the emergence of psychosis is critically mediated by affective dysregulation, making it an indispensable element in any comprehensive network of contributing variables. (This thesis)
3. In psychiatry, causality is best understood as a complex dynamical system, encompassing a myriad of elements including affective dysregulation, symptomatic expressions, as well as genetic and environmental influences; this complex system undergoes a transition to a pathological state when the cumulative exposure load crosses a certain threshold. (This thesis)
4. Preventative interventions must be multifaceted, targeting multiple entry points within the complex causal system of psychopathology, thereby benefiting both the general population and clinical cases. (This thesis)
5. In epidemiological terms, the exposure of a large population to a low level of risk may generate more instances of a given condition than a smaller population exposed to higher levels of risk. (Geoffrey Rose)
6. By accepting symptoms, rather than suppressing them, while engaging in life to the fullest, we can pave the way for recovery, and therefore to less burdening symptoms.
7. Emotional management and tolerance are not just about reducing or getting rid of emotional pain but learning to navigate and experience it in a non-destructive way. It's about finding a balance between acceptance and change. (Marsha Linehan)
8. *"I've made the most important discovery of my life. It's only in the mysterious equation of love that any logical reasons can be found."* ("A Beautiful Mind," a film based on the life of John Nash, Nobel Laureate in Economic Sciences, 1994)
9. The statistical probability that organic structures and the most precisely harmonized reactions that typify living organisms would be generated by accident, is zero. (Ilya Prigogine (1917–2003))
10. The future is uncertain...but this uncertainty is at the very heart of human creativity. (Ilya Prigogine (1917–2003))