

Biological Modeling through Machine Learning

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Mathematical modeling of biological systems is an arduous and tedious task. These models are represented by dynamical systems and too often the available data is not helpful in determining or tuning the parameters for the dynamical system. In this talk, we present an alternative approach to the development of a mathematical model through nascent research in machine learning. In this approach, the reaction functions are treated as unknown and data is used to train the system into the best modeling choice.

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