## A model of adaptive temporal networks

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We study a model of adaptive temporal networks that are regulated by human activity and vice versa. Thereby we seek to develop a unifying understanding of the mechanisms governing human social dynamics. We analyze the model using a master equation approach and show that the temporal and structural heterogeneities seen in real-world networks can emerge spontaneously from completely homogenous initial conditions. This theoretically tractable model will promote further studies to understand how our society is organized by the interplay between social relations and human activity.