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Thanos Population Dynamics.

In the end of the “Avengers Infinity War,” the villain Thanos snaps his fingers and turns half of all living creatures to dust with the hope of restoring balance to the natural world. How does this affect the long term behavior of various species? Investigate the validity of his claim by modeling various population dynamics such as unconstrained and constrained growth, competing species, and predator-prey. In this talk, we will provide instructors with an engaging way for students to analyze the behavior of various population models. (Received September 04, 2019)