

# Allee effect in Biology and Economics

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## **Abstract**

We will present the construction of mathematical models with Allee effect that arise in both biology and economics. Though the Allee effect is known in biology literature for over half a century, it is the first time that it is used in modeling economics phenomena. The question of bust and boom or attenuation and resonance is central in both disciplines of biology and economics, particularly when the model is nonautonomous or periodically forced.

**Keywords:** Allee; bust; boom