

# A Simple Document

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## Abstract

This paper analyses a seminal equation in population biology.

## 1 Introduction

Blah Blah

## 2 Materials and Methods

A foundational equation of population biology is:

$$\frac{dN}{dt} = rN\left(1 - \frac{N}{K}\right) \tag{1}$$

It was first proposed by Verhulst in 1838 [1].

## References

- [1] Pierre-François Verhulst. Notice sur la loi que la population suit dans son accroissement. *Corresp. Math. Phys.*, 10:113–126, 1838.