

# A Simple Document

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## Abstract

This paper analyzes a seminal equation in population biology.

## 1 Introduction

Blah Blah

## 2 Materials & 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] PF Verhulst. Notice on the law that the population follows in its growth.  
*Corresp Math Phys*, 10:113–26, 1838.