

1 Introduction

Viruses like ebola can have serious effect on global scale. The latest massive Ebola outbreak has taken serious toll in West Africa. Although scientifically the serious problem seems to pin down the medical properties of the virus and hence find the cure, some care is needed while dealing with the distribution of the vaccine to ensure the fast, humane and economical solution.

In this paper, we combine multiple celebrated mathematical models to fight the headline camper **Ebola** . First, we build a model to model the progress of Ebola outbreak based on population distribution. Then **!TODO!**.