

Dynamics of a Zombie outbreak on Stevens campus

Course: Dynamic Modeling of Systems and Enterprises (SYS 681)

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Abstract: The dynamics of a zombie outbreak is a complex and fascinating topic that has been studied by scientists, mathematicians, and social scientists for many years. There are many factors that can influence the course of an outbreak, including the nature of the zombie virus, the population density of the affected area, and the effectiveness of the human response. One of the most important factors in determining the course of a zombie outbreak is the nature of the zombie virus. Some viruses are more contagious than others, and some are more deadly. The zombie virus must be able to spread quickly and easily to cause a major outbreak. Another important factor is the population density of the affected area. In a densely populated area, zombies will be able to spread more easily

and quickly than in a sparsely populated area. This is because there will be more potential victims for the zombies to infect. The effectiveness of the human response is also a major factor in determining the course of an outbreak. If humans are able to quickly identify and contain the outbreak, it is less likely to become a major disaster. However, if humans are slow to respond or if they are unable to contain the outbreak, it is more likely to spread and cause widespread devastation. The dynamics of a zombie outbreak is a complex and ever-changing topic. As scientists learn more about the nature of zombie viruses and the human response to them, they will be better able to predict the course of future outbreaks and develop strategies for mitigating their impact. The dynamics of a zombie outbreak are a fascinating and complex topic. By understanding the factors that can influence the course of an outbreak, we can better prepare for the possibility of a zombie apocalypse. As a result, in this project, we consider a population in Stevens where Zombie virus has affected the patient zero. Also, we'll see how quickly it spreads to the other population.