## Statistical Methods in Infectious Disease Modeling

Kaitlyn Stocker 2017-04-20

## Contents

- 1 Introduction
- 2 Modeling and Inference for Infectious Disease
- 2.1 Deterministic Models
- 2.2 Stochastic Models
- 2.2.1 Chain Binomial
- 2.2.2 TSIR
- 2.2.3 Susceptible Reconstruction
- 2.3 Spatial Models
- 3 Application to Measles
- 4 Results