

Introduction

- ▶ Generation interval (GI) measures time between when a person is infected and when that person infects another person
- ▶ GI distributions link speed (growth rate) and strength (reproductive number) of an epidemic
- ▶ Previous work [?] showed that measuring GI through contact tracing data introduces bias

Linking r and \mathcal{R}

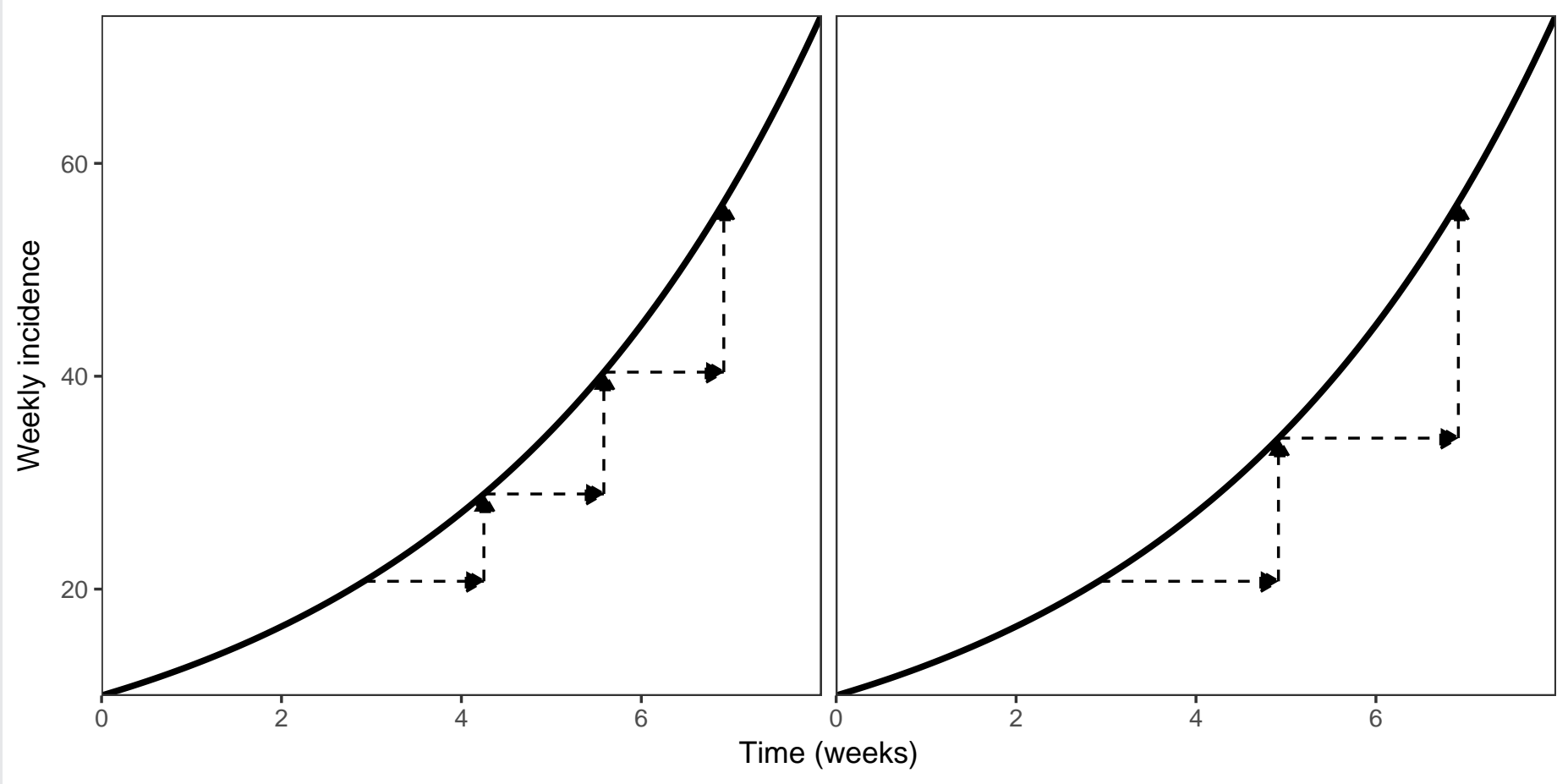
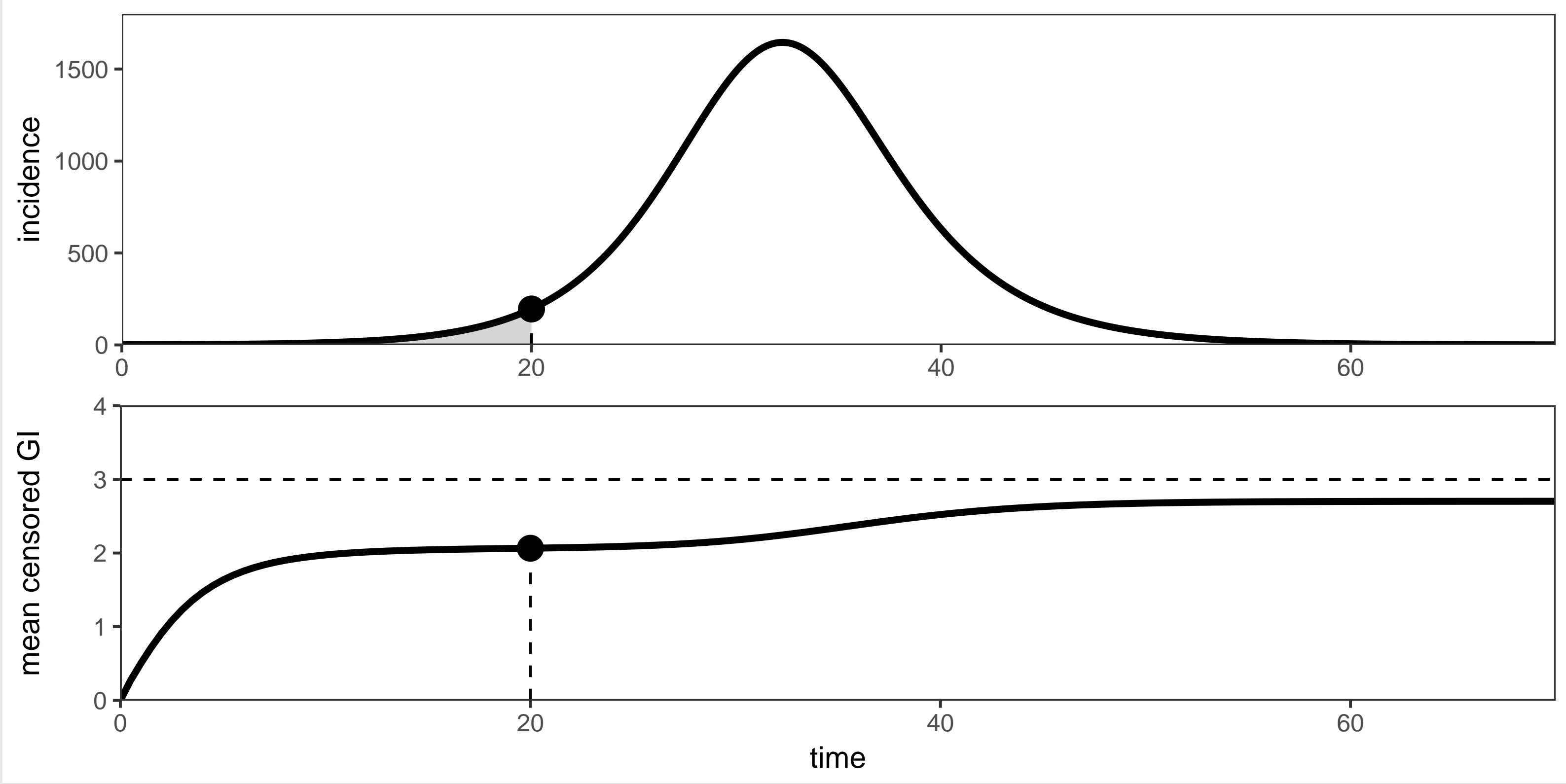


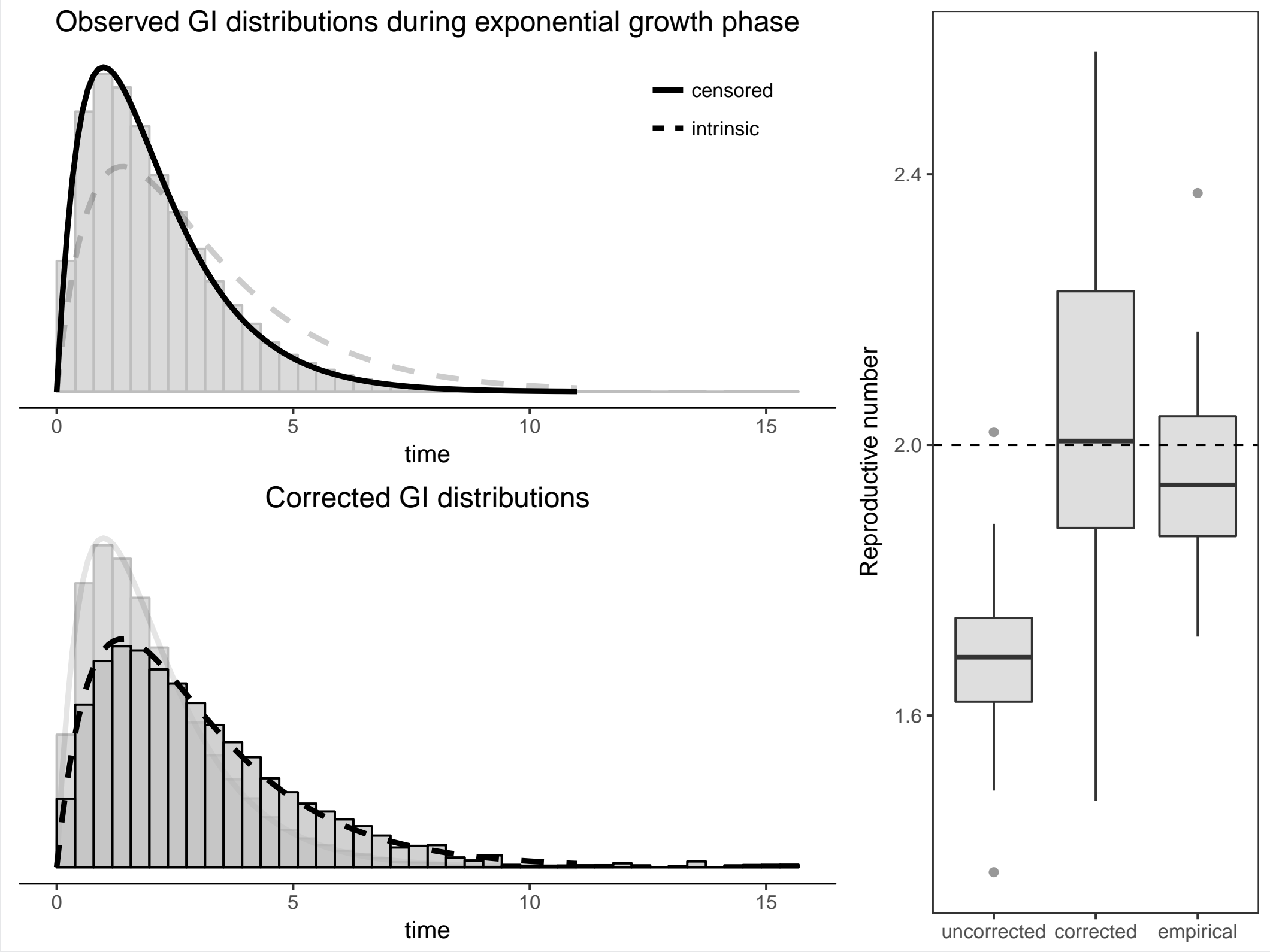
Figure: Lorem Ipsum

Temporal bias in GI distributions



- ▶ Often, GI distributions is measured through contact tracing data by **censoring** the epidemic
- ▶ Long infections are masked by short infections

Correcting GI distributions



- ▶ During the exponential growth phase, the observed GI distributions is proportional to $g(\tau) \exp(-r\tau)$.
- ▶

Spatial/network effect

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