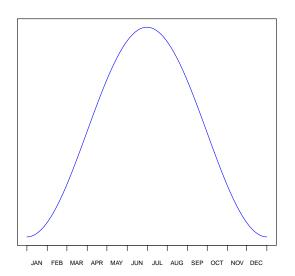
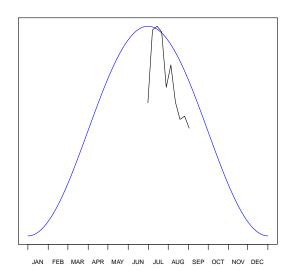
Slightly Less Simple Mosquito Modeling

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Emphasis: Simple

comparison of continuous, spatially homogenous models Why?

understanding of infection trends can inform interventions, health system preparations, *etc.*

Common Mosquito Model

TODO sine

... vs. Common Mosquito Abundance

TODO overlay mosquito pops with sine, match peaks

So, Low Hanging Fruit

preview: no sophisticated analysis to pick said fruit but these basic analyses provide fertile ground for much more quantitative detail

- 1. useful to write models in terms of measurable parameters,
- 2. measurable parameters are not scale-free,
- 3. mathematics is more useful when scale free, therefore
- 4. dimensional analysis is awesome