

Chapter outline

Outline

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Outline

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Dushoff

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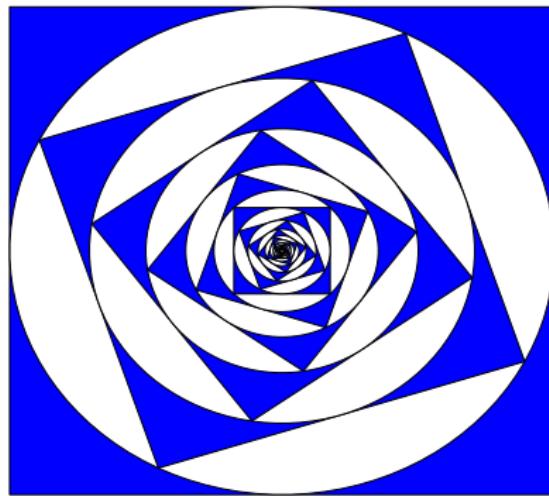
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Squaring the circle



Which country?



Which country?



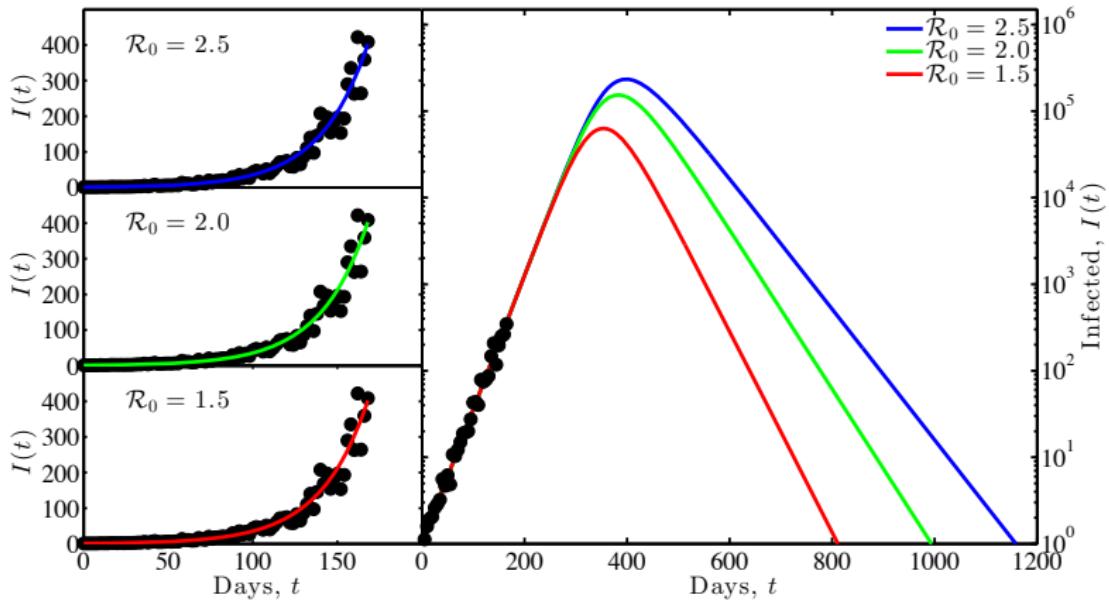
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Ebola research



Students

- ▶ Poll: What year are you in?

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Subsection 1

Learning goals

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- ▶ Ecology and population ecology

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- ▶ **Dynamical modeling**

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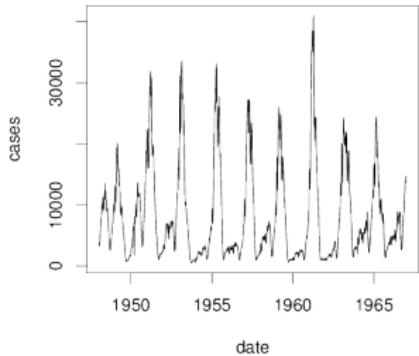
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Measles reports from England and Wales

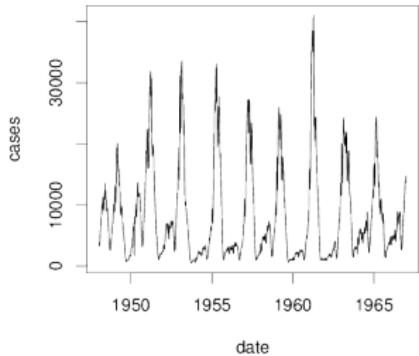


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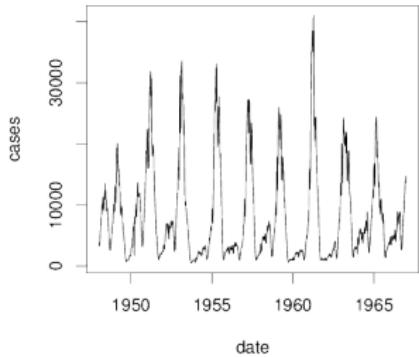


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Humans and abstract thought

- ▶ People are evolved to be concrete thinkers, not conceptual thinkers



$$E = mc^2$$

value

energy | mass | speed of light

units

$c^2 = 89,875,517,873,681,800 \text{ m}^2/\text{s}^2$

A diagram illustrating the components of the equation $E = mc^2$. The equation is centered, with three arrows pointing from the words above it to the corresponding variables in the equation. The top row contains "value" above "energy | mass | speed of light". The bottom row contains "units" above "J | kg | 299,792,458 m/s". Below the bottom row, the value of c^2 is given as $89,875,517,873,681,800 \text{ m}^2/\text{s}^2$.

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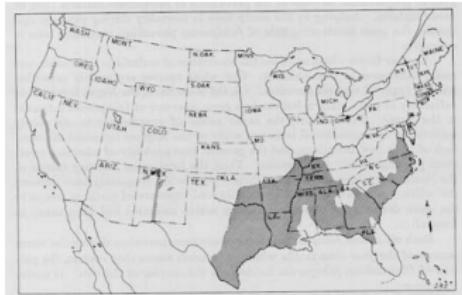
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Subsection 2

Examples

Malaria

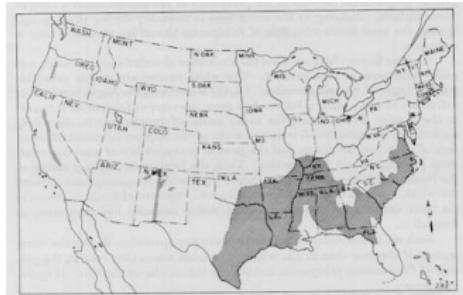
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MAP 4.—Areas of the continental United States believed to be malarious in 1934-35.

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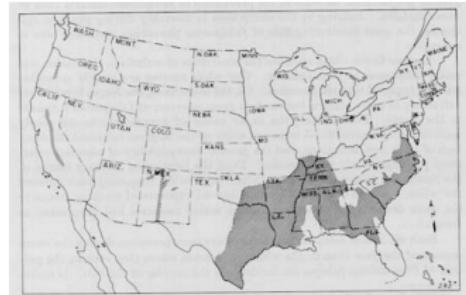
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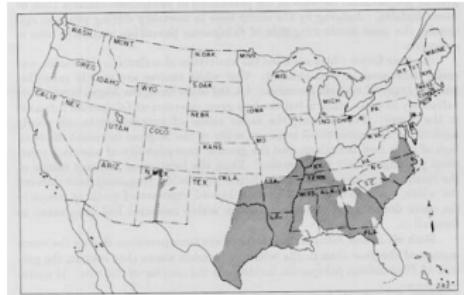
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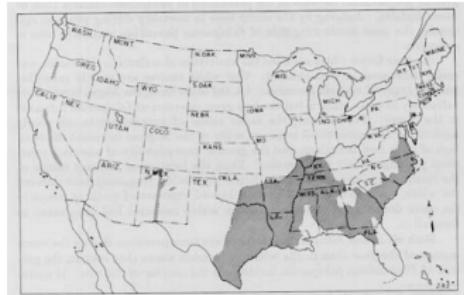
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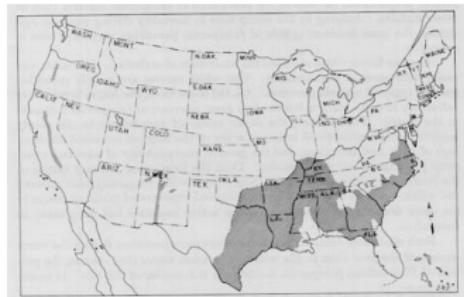
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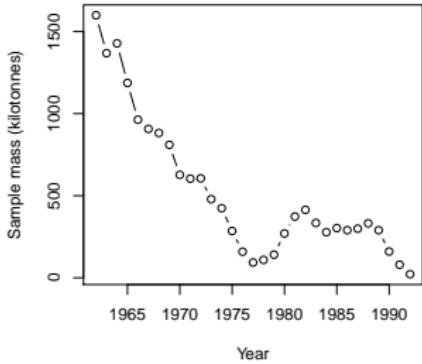
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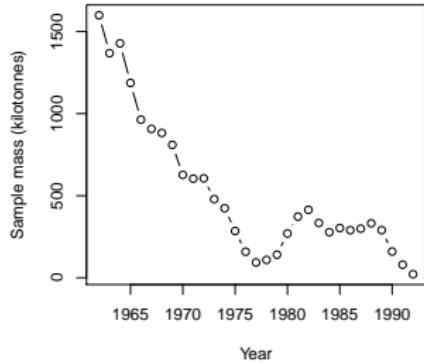
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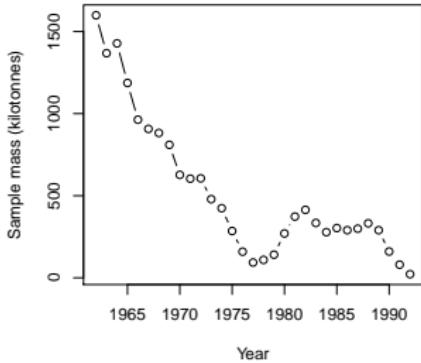


- ▶ Is the ocean too big for people to affect?
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