



Bookmarks



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Solving for "t"



▶ 0:00 / 6:31

▶ 1.0x


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Now that we know how linear and exponential models are different

- and how to interpret the parameters from each model

- we can use the models to our advantage.

We can use them, such that we can not only


Comprehension Check

1. The tadpole population (in thousands) in a small pond is decreasing according to the following equation:


$$Q(t) = 10(0.85)^t$$

Function Models

Readings


Reading Check due
Mar 15, 2016 at 18:00
UTC 

Lecture Videos

Comprehension Check
due Mar 15, 2016 at
18:00 UTC 

R Tutorial Videos


Pre-Lab

Pre-Lab due Mar 15,
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Lab

Lab due Mar 15, 2016
at 18:00 UTC 

Problem Set

Problem Set due Mar
15, 2016 at 18:00 UTC 

(1/1 point)

1a. What is the initial population size (at $t=0$)? *(Report without commas.)*

✓ Answer: 10000

(1/1 point)

1b. What is the annual decay rate as a percent? *(Do not write % sign.)*

✓ Answer: 15

1c. How many tadpoles remain after **5 years** have passed? *(Report without commas and round to a whole number.)*

✓ Answer: 4437

(1/1 point)

1d. How many years does it take for population to drop **below 1,000**? *(Round to 2 decimal places.)*

✓ Answer: 14.17

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