

## < Weekly Challenge

## Challenge #123: When will Rabbits Rule the World?



This one has been on my whiteboard for awhile and I've been meaning to publish this challenge. This weekly challenge should be a fun one! The question we are trying to answer is: In what future month/year will a new breed of rabbits to exceed the human population 2:13

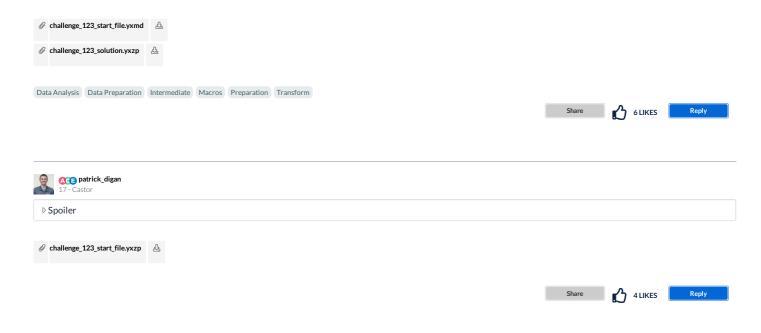


Let's set some rules for how this new breed of rabbit populates so we can try to find the day our civilization will be be under the rule of our new-found long-eared overlords

- 1) We will start with 1 female and 1 male rabbit born today (0 months old)
  2) Each month, each female produces a litter of 4 bunnies: 1 male and 3 females

- 3) A female cannot start to reproduce until she has matured to 4 months of age 4) All rabbits live only to 24 months in age. (Alive months 0-23, they cease to live at the start of the 24th month)
- 5) Don't forget human population grows too! Assume a 0.058% month over month human population growth!

I have provided an answer, but there may be little monthly nuances that account for slightly different answers. Sound-off on when you found out it is going to happen!





TerryT
Alteryx Community Team

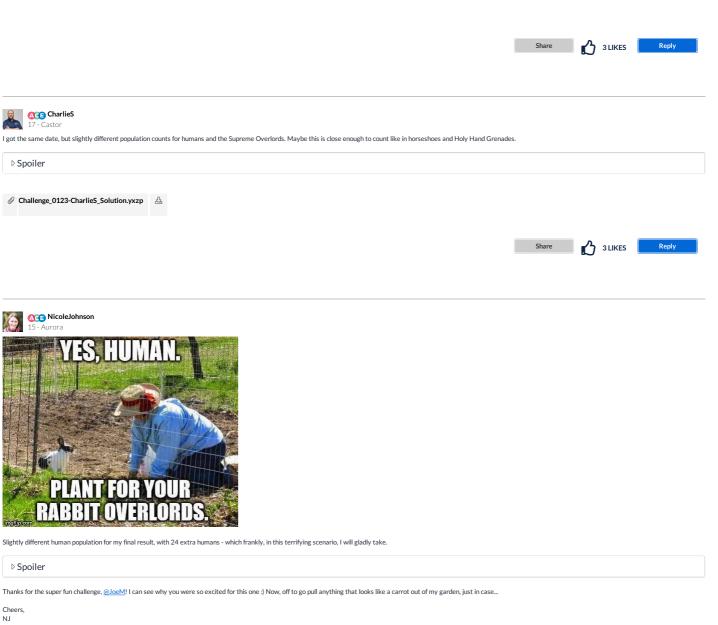
I got the same month, but my numbers don't match exactly!

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Cheers NJ

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Averting my eyes from the GIF, I didn't notice the 2:1 population threshold and spent way too much time trying to find the error in my workflow. :(



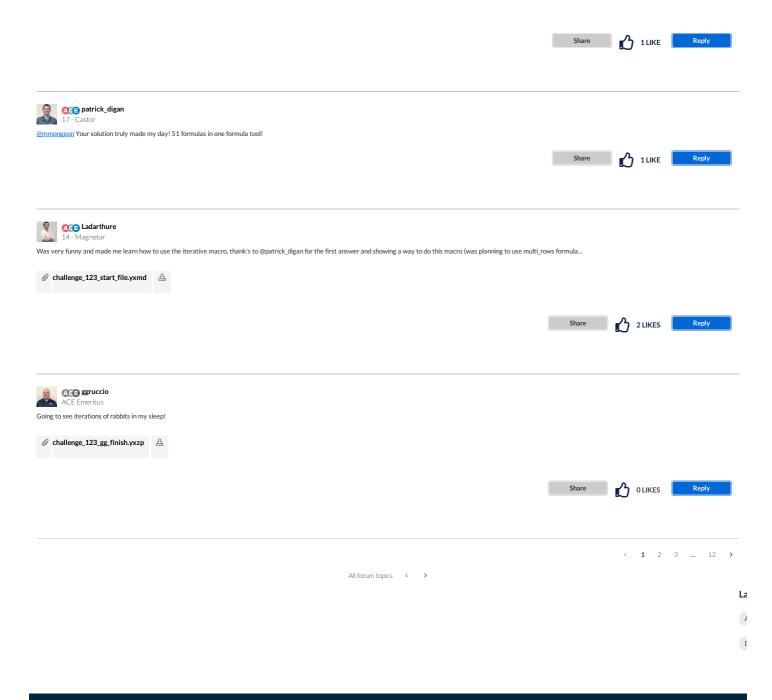






Like many of the other submissions, I don't have the exact same population numbers, but I end up on the same month.

Spoiler





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