This sucks. The median first marriage age is 26. The pool of singles is shrinking. I’m running out of time... not quite.

Yes, older singles are rarer. But as you get older, the dateable age range gets wider. An 18-year-old’s range is 16-22, whereas a 30-year-old’s might be more like 22-46.

I did some analysis of this with Census Bureau numbers just last weekend. Your dating pool actually grows until middle age. So don’t fret so much!

Standard creepsiness rule: don’t date under (age + 7).

Singles dating pool

Did your analysis say anything about the dating prospects of people who spend weekends at home making graphs?

Come on. Somewhere at the edge of the bell curve is the girl for me.
1. Suppose a population grows according to a logistic model with initial population 1000 and carrying capacity 10,000. If the population grows to 2500 after one year, what will the population be after another three years?

2. Solve the differential equation $xy' + y = \sqrt{x}$
3. Sketch the curve with the polar equation $r = \sin \theta - 1$.

4. Find the area of the shaded region.

\[ r = 1 + \cos \theta \]