

# Choking on Red Pills

Science Circle  
November 20th 2021

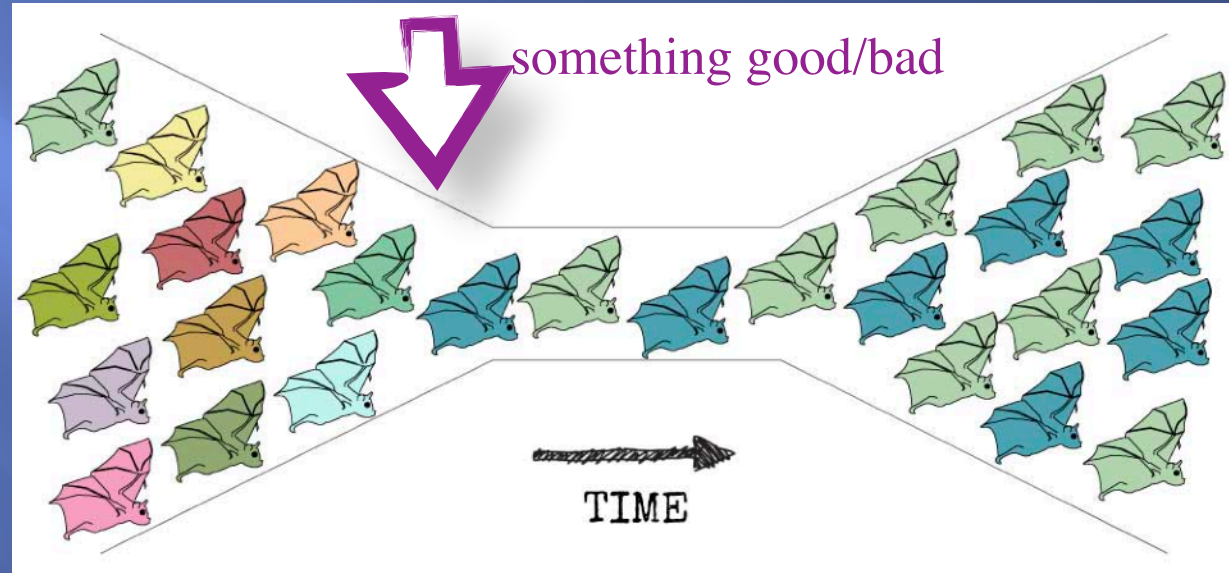
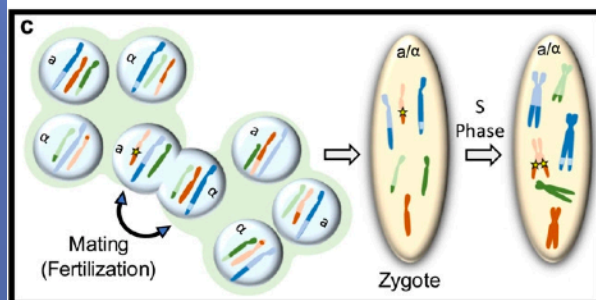
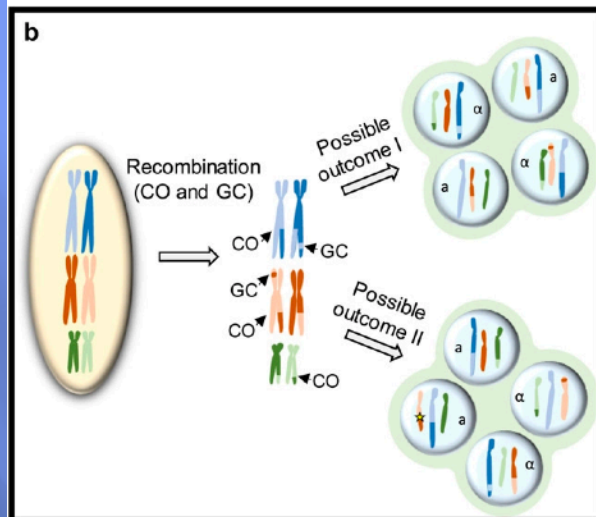
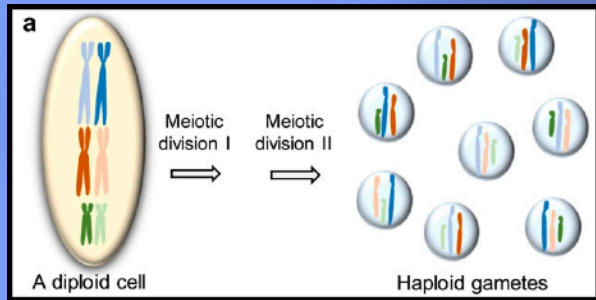
Stephen Gasior, Ph.D.  
a.k.a. Stephen Xootfly  
Researcher

Company that has nothing to do with this talk  
Former University Biology Instructor

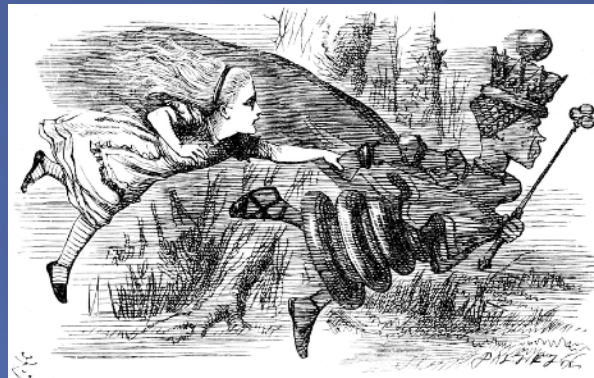
# Why Sexual Reproduction?

Haploid/Diploid cycle

Genetic variation is good for survival



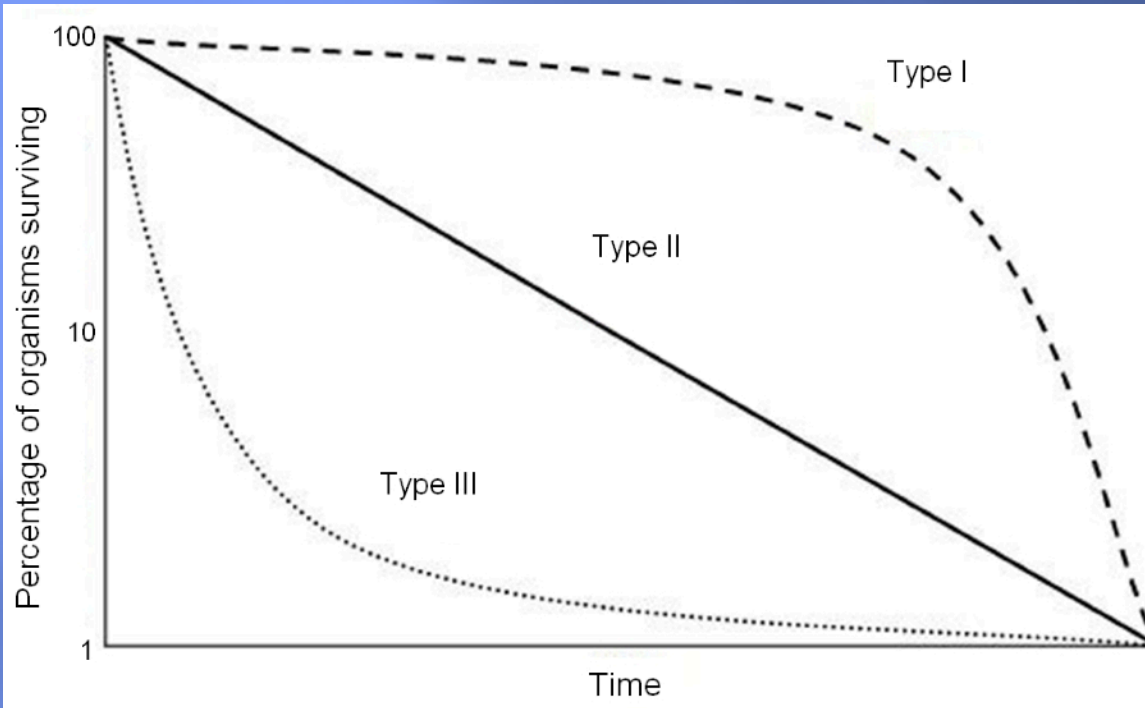
the dog-faced fruit bat



Red Queen hypothesis

"Now, here, you see, it takes all the running you can do, to keep in the same place." -Lewis Carroll

# Reproductive Strategies



Type I: humans, elephants

Type II: smaller mammals, reptiles, birds

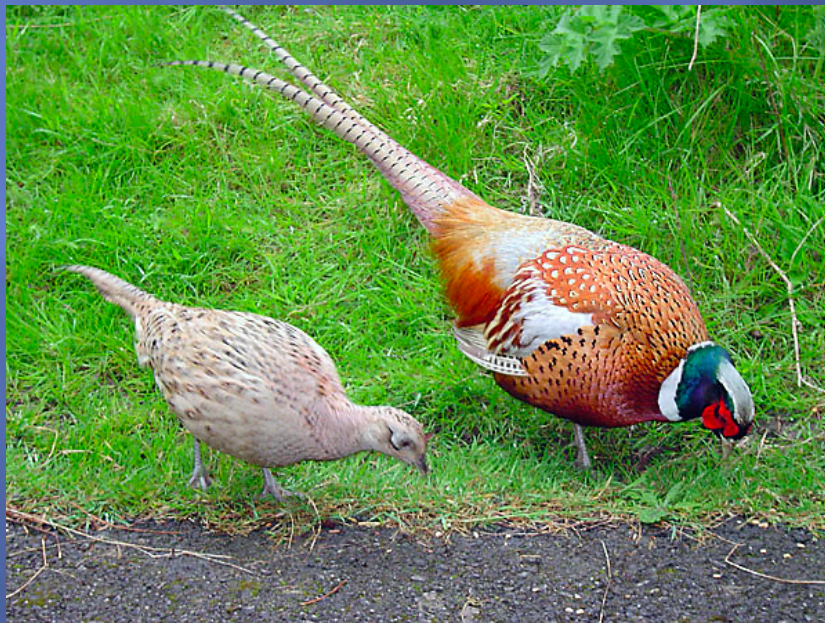
Type III: insects, fish

Characteristic	<b>r</b>	<b>K</b>
Number of offspring	high	low
Parental care	low	high
Reproductive Maturity	early	late
Size of offspring	small	large
Independence at birth	early	late
Ability to learn	low	high
Lifespan	short	long
Early mortality	high	low



# Sexual Dimorphism and Selection

Physical



Behavioral



# Sexual Dimorphism and Selection

**Newsweek** Insect Sex: Watch Headless Praying Mantis Continue To Mate After Being Decapitated by Female

BY DANA DOVEY ON 11/17/17 AT 10:14 AM EST



“male mantises who are eaten after sex are actually more likely to have their sex result in viable young. This is because females who eat their partners produce far more eggs than those who aren't lucky enough to have a post-coital snack.”

male combat



“bros before does?”

# Animal Societies

animal social behaviour

Encyclopaedia Britannica



*Sociobiology: The New Synthesis* E.O.  
Wilson (1975)

- (1) group size
- (2) distributions of different age and sex classes
- (3) cohesiveness
- (4) amount and pattern of connectedness
- (5) permeability - intersociety
- (6) compartmentalization -subgroups operate as discrete units
- (7) differentiation of roles
- (8) integration of behaviours within groups
- (9) communication and information flow
- (10) fraction of time devoted to social behaviour as opposed to individual maintenance



# Neurophysiology

Hormone influence on behavior

prairie vole  
pair bond



vasopressin  
receptor

lab mouse

limited pair bonding

**oxytocin**

+vasopressin

no vasopressin

affiliation behavior

no change

Garcia, Justin R., et al. "Associations between dopamine D4 receptor gene variation with both infidelity and sexual promiscuity." PLoS One 5.11 (2010): e14162.

# Human Sexual Evolution (epochs)

Quadrupeds

Neurophysiology

Primate

social - small group

dimorphism

Early Civilization

population dynamics

cultural

socioeconomic - status

Modern Civilization

more later



# Human Sexual Development

lessons from primates

gorillas



harem/Alpha male

chimpanzees



male dominance  
shifting/fluid subgroups

bonobos



something like  
Woodstock  
female led groups

# On Words

## Blanket Statements



not including every exception is an attempt to suppress or ignore it or pretend it doesn't exist



# On Words

Sex and Gender



this (and sexual dimorphism) is real, it is the force evolution works on that has explanatory power, the words male and female and associated behaviors (blanket) covers this concept

# On Evolution of Society

# Social Unit Evolution



# Military Power

# Institutional Stability

# Economic/Market

# Fecundity



# Early Human Dimorphism

Display



Select mate

Hunters

Hearth

short  
minimum  
reproduction  
time

2 years  
minimum



# **Early Human Civilization**

Higher population density

Agriculture = food abundance/consistency

Higher disease spread (STDs)

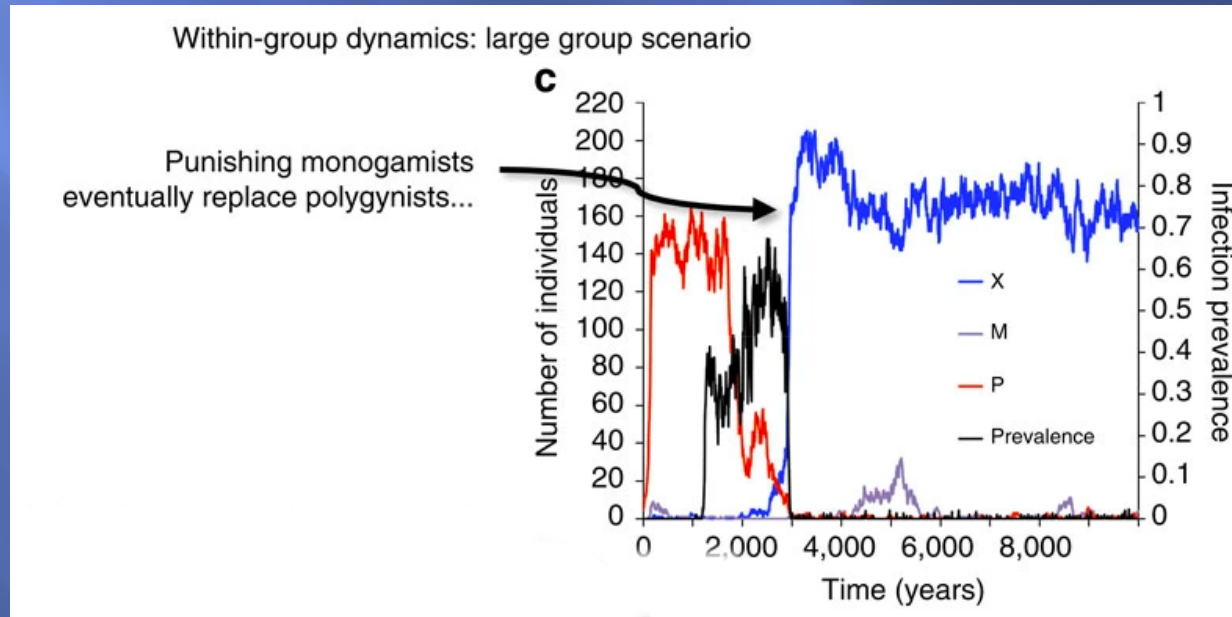
# Early Human Civilization

Higher population density (mate availability)

Agriculture = food abundance/consistency

Higher disease spread (STDs)

Bauch, C., McElreath, R. Disease dynamics and costly punishment can foster socially imposed monogamy. Nat Commun 7, 11219 (2016).





# Early/Modern Human Civilization

## Monogamy supports stability

Henrich, Joseph, Robert Boyd, and Peter J. Richerson. "The puzzle of monogamous marriage." *Philosophical Transactions of the Royal Society B: Biological Sciences* 367.1589 (2012): 657-669.

“greater the percentage of unmarried men in the national population, the greater the rates of rape, murder, assault, theft and fraud, ..”

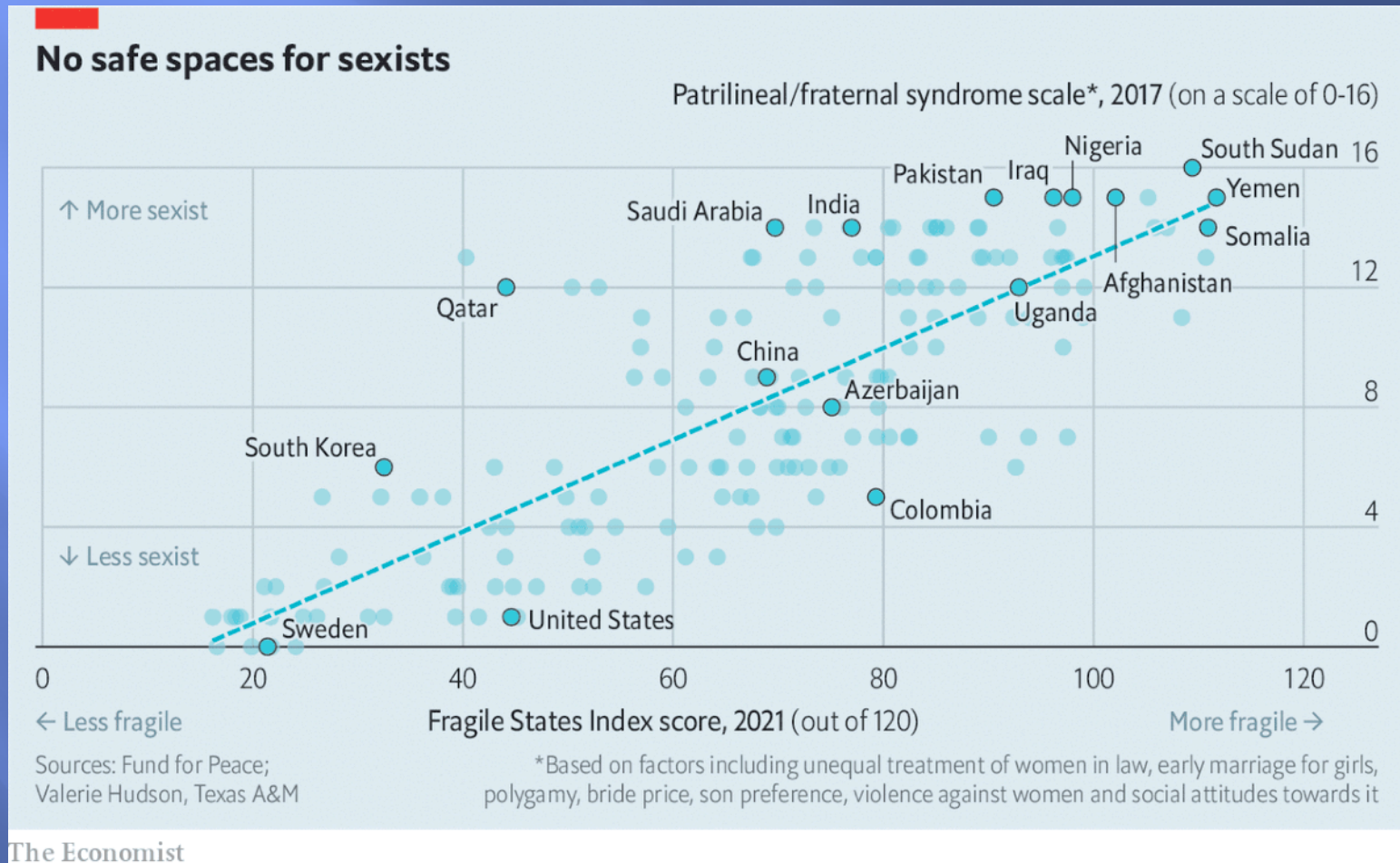
“Converging with these ideas is long-term research in the Caribbean, which shows how different household compositions impact cortisol levels (a stress hormone) in children.”

**“Increasing polygynous marriages decreases overall male parental investment** by (i) eliminating opportunities for low-status males to establish pair-bonds (and invest in offspring), (ii) diluting the per-child investment in larger families, and (iii) shifting investment by high-status males from offspring into obtaining more long-term mates”

# Early/Modern Human Civilization

## Monogamy supports stability

“Societies that treat women badly are poorer and less stable” The Economist Sep 11th 2021 edition



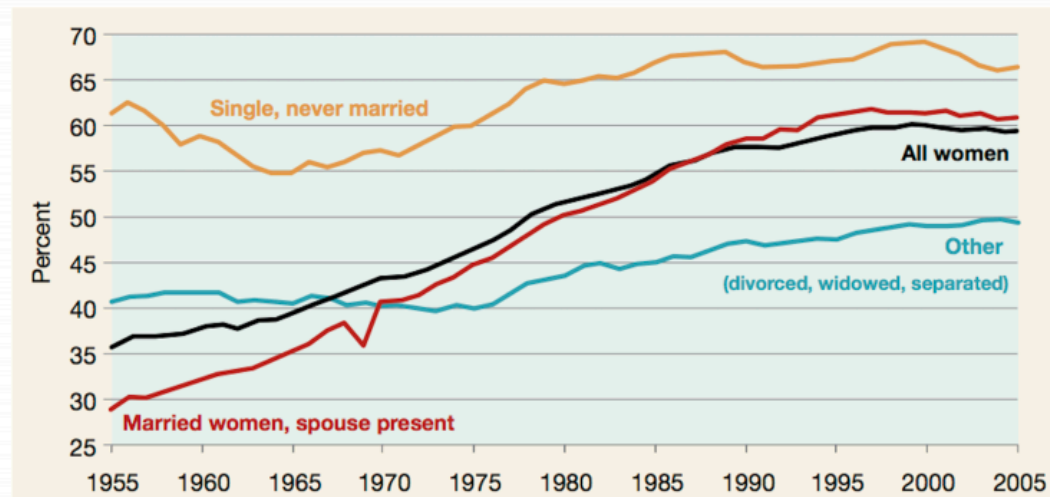
“The First Political Order: How Sex Shapes Governance and National Security Worldwide”  
Ms Hudson, Ms Bowen and Ms Nielsen

# Modern Human Civilization

## Changes for women rights and entering the workforce

- 1) Finland: full political rights — 1906, married women won the right to paid employment without needing the consent of their husbands — 1919, Marriage Act that released married women from the guardianship of their husbands — 1930
- 2) “Equality of rights under the law shall not be denied or abridged by the United States or by any state on account of sex.” From 1923 until 1970, the amendment was introduced for consideration during every congressional session but almost never made it to a vote.

Labor Force Participation of Women in the USA, 1955-2005



Data source: Data from 1955 to 1975 come from the US Census Bureau, Statistical Abstract of the United States, 2003. Data from 1976 to 2005 come from the Bureau of Labor Statistics

Women's employment

by Esteban Ortiz-Ospina, Sandra Tzvetkova and Max Roser

March 2018



# Modern Human Civilization

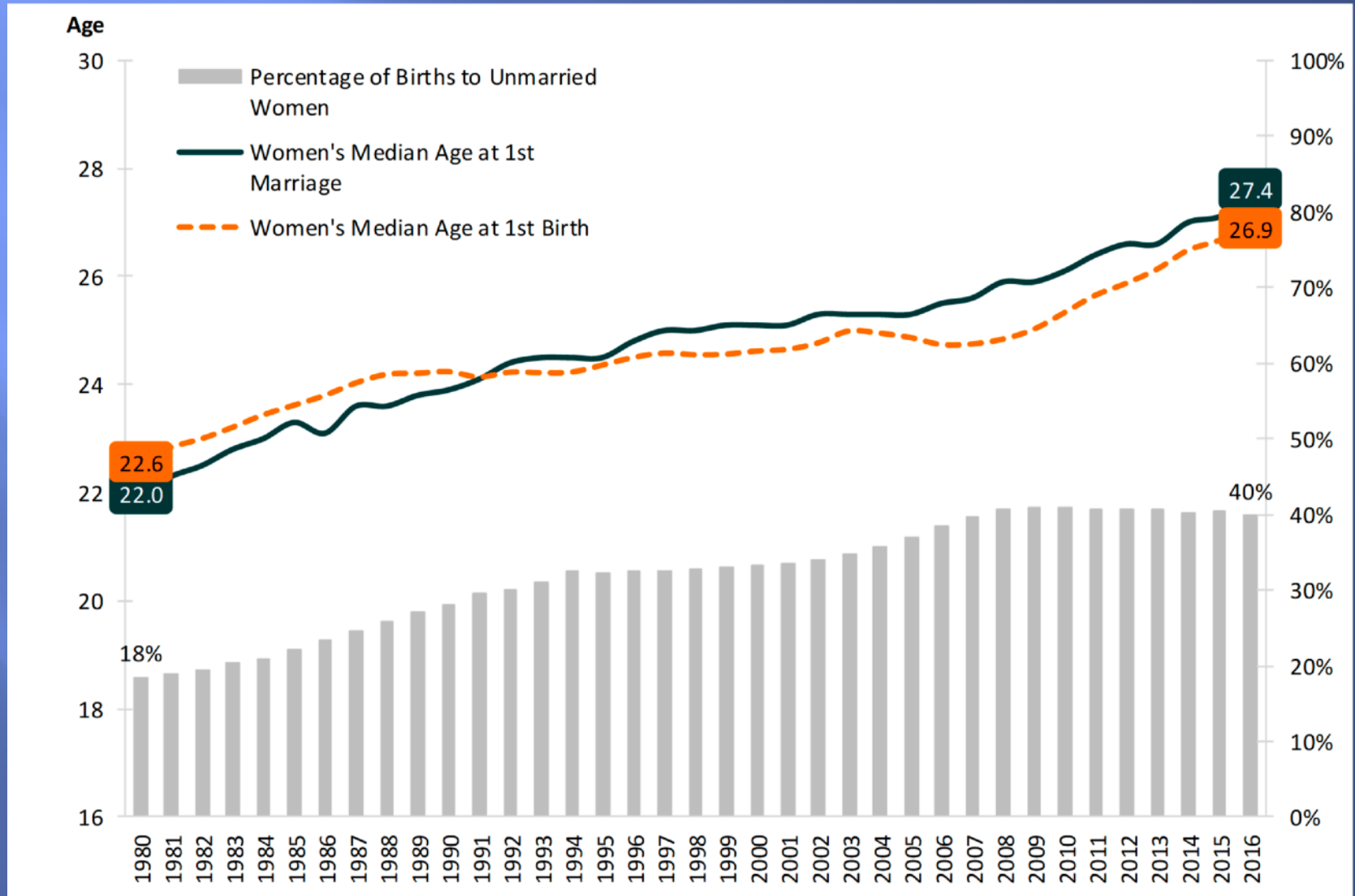
## Changes for women control over fertility

- 1) Prior to the 15th century, some use of glans condoms (devices covering only the head of the penis) is recorded in Asia.
- 2) In 1918, just before the end of the war, an American court overturned a conviction against Margaret Sanger. In this case, the judge ruled that condoms could be legally advertised and sold for the prevention of disease.
- 3) Latex, rubber suspended in water, was invented in 1920
- 4) The first documentation of this idea [IUD] for humans was in 1909, when Dr. Richard Richter reported on his insertions of a ring made of silkworm gut into the uterus. He cut off the two ends at the level of the outside of the cervix in order make checking and removal easier.
- 5) In 1962, Dr. Jack Lippes developed and inserted the first of what became known as the Lippes Loop
- 6) In 1988 a new IUD appeared, the Copper T 380A
- 7) 1950s The Pill

# Modern Human Civilization

## Marriage and birth trends

Bowling Green State University National Center for Family & Marriage Research (NCFMR)



# Modern Human Civilization

## Education Trends

American Enterprise Institute

Prediction: No college graduation speaker will mention the 29% 'gender college degree gap' for the Class of 2018

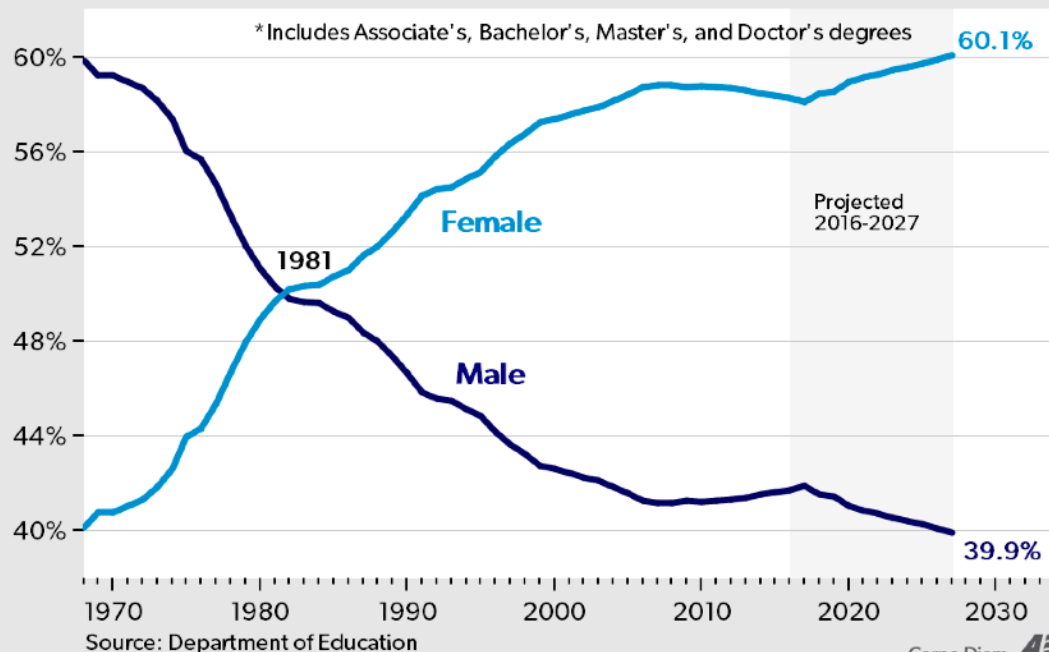
May 1, 2018

Pew Research Center

U.S. women near milestone in the college-educated labor force

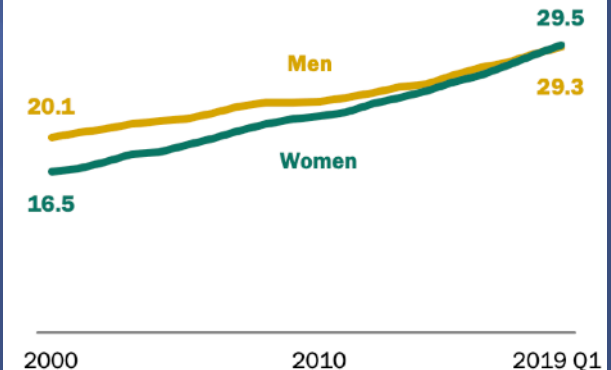
JUNE 20, 2019

Percent of All College Degrees\* Female vs. Male, 1968-2027



## Women are now half of the U.S. college-educated labor force

Labor force ages 25 and older with at least a bachelor's degree (in millions)



Note: Labor force consists of people working or looking for work. First quarter, 2019 estimate not seasonally adjusted.  
Source: Bureau of Labor Statistics, based on 2000-2019 Current Population Survey.

PEW RESEARCH CENTER



# Modern Human Civilization

## Marriage Rate Trends

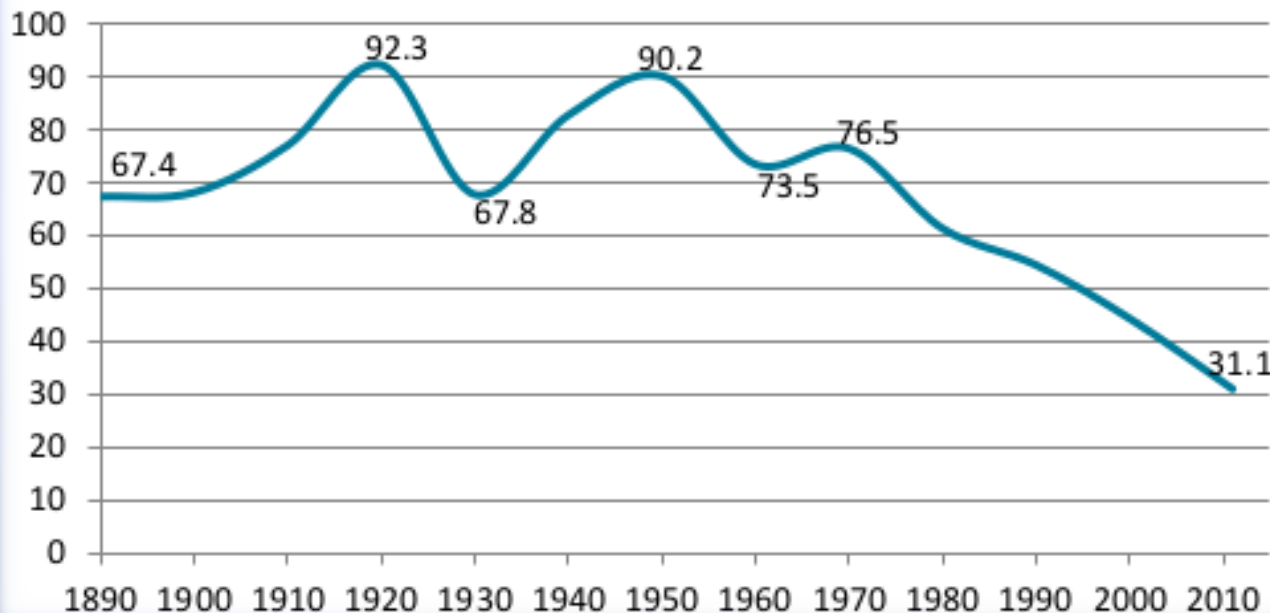


## *Marriage: More Than a Century of Change* Julissa Cruz

(2013)

highest it has been in over a century at 26.6 (U.S. Census Bureau, 2012).

Figure 1. Marriage Rate of Women, 1890-2011



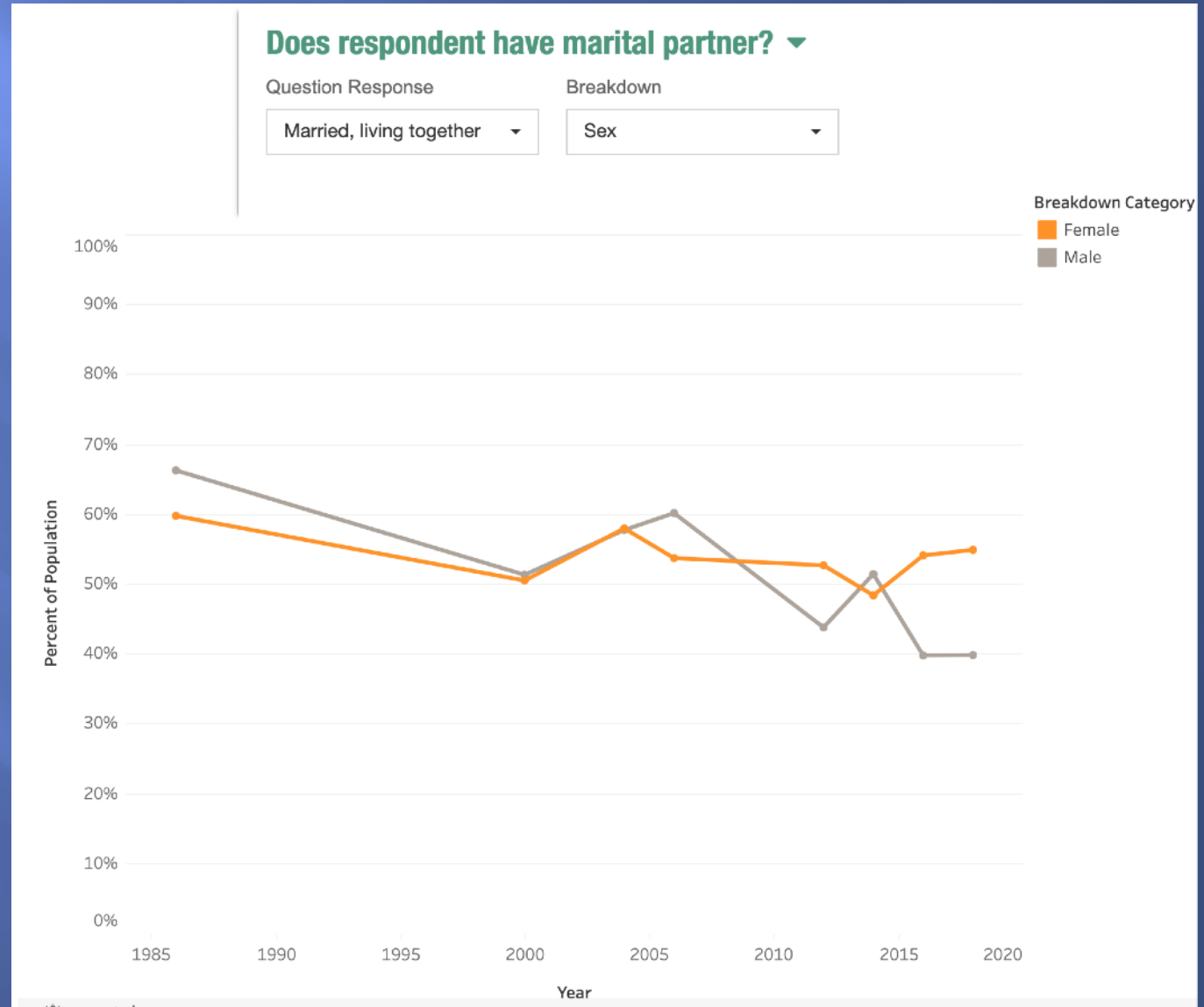
### Change in Marriage Rate in the U.S., 1890-2011

- The U.S. marriage rate (the number of women's marriages per 1,000 unmarried women 15 years and older) is the lowest it has been in over a century at 31.1—that is, roughly 31 marriages per 1,000 unmarried women.
- The marriage rate was highest in 1920 at 92.3.
- Since 1970, the marriage rate has declined by almost 60%.

# Modern Human Civilization

Have these trends  
lead to a crisis for the  
young modern male?

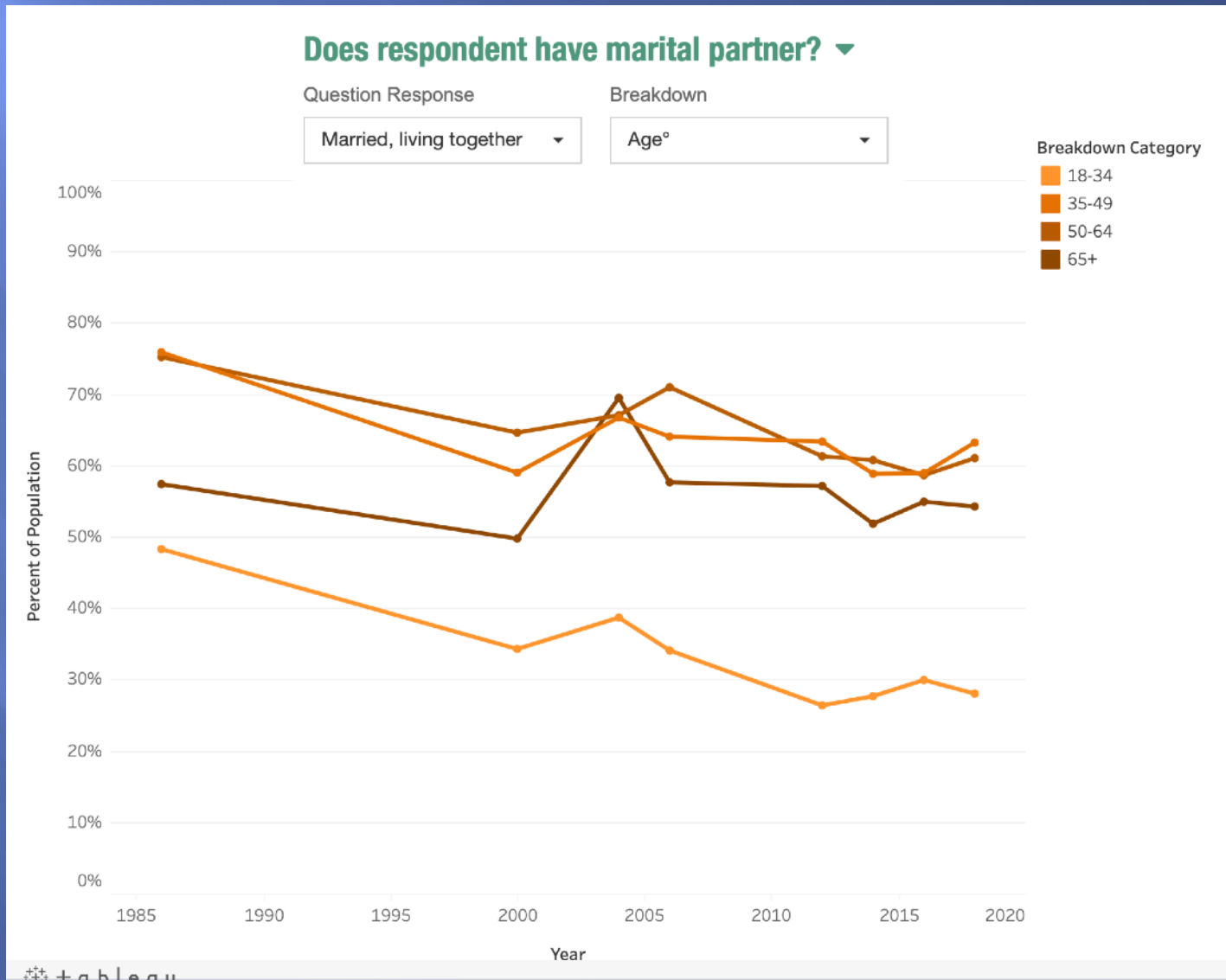
<https://gssdataexplorer.norc.umd.edu/trends/>



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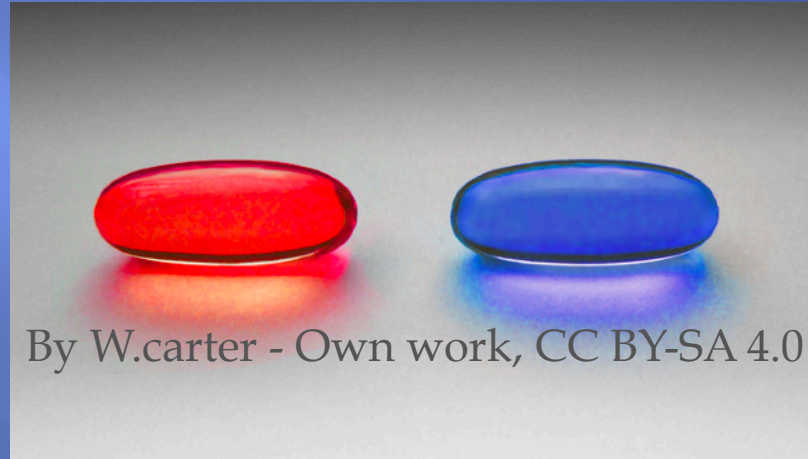
<https://gssdataexplorer.norc.umd.edu/trends/>





# Red Pill Overview

Scene from *The Matrix*



learn a potentially unsettling or life-changing truth by taking the red pill

remaining in contented ignorance with the blue pill

world is biased towards women

## Manosphere

Men's Rights Movement (mrm): A loose-knit network of groups and activists (MRAs) who believe men are an oppressed class. Most adherents consider Warren Farrell to be the intellectual father of men's rights.

men have great lives in harmony with women

get out of the mating "game"

status quo

# Red Pill Slogans

no hymen no diamond/cock carousel/a woman with a sexual past is ruined for marriage/once a ho...

<http://nationalmarriageproject.org/reports/>

Figure 1: Percent in Higher-Quality Marriages, by Lived with Romantic Partner Other than Future Spouse

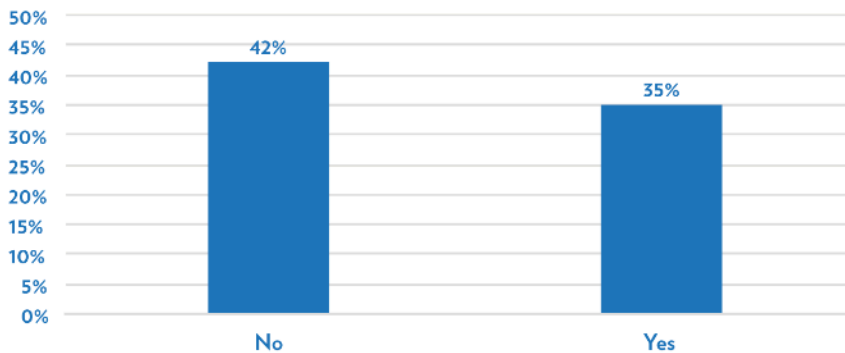
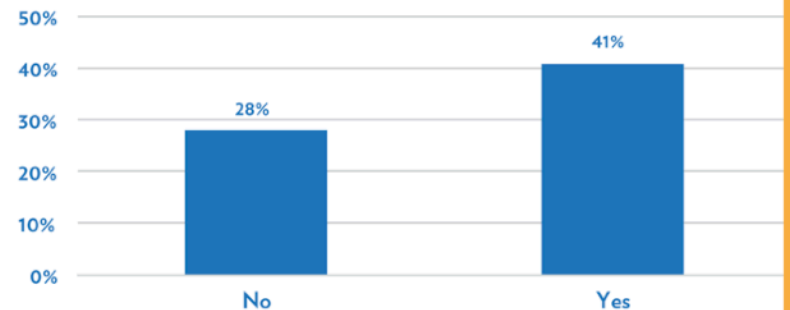


Figure 8: Percent in Higher-Quality Marriages, by Had a Formal Wedding



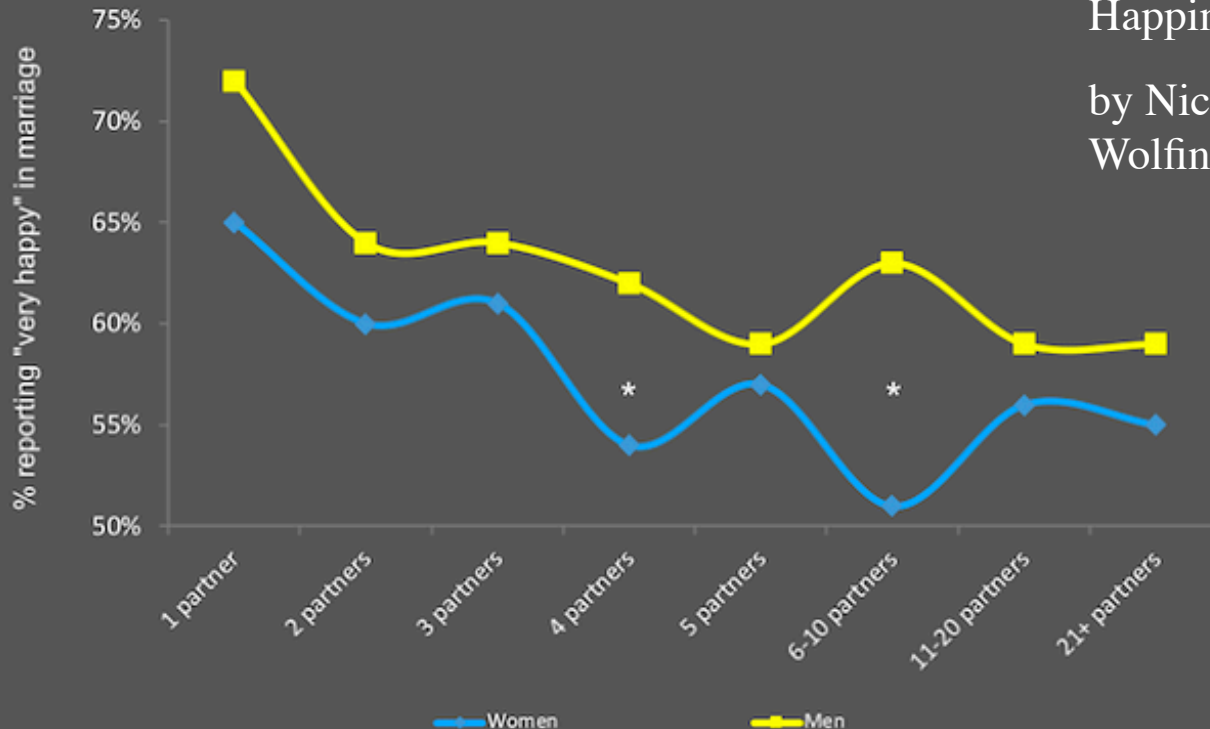
These percentages are adjusted for race/ethnicity, years of education, personal income, religiousness, and frequency of attendance at religious services.

"We further found that the more sexual partners a woman had had before marriage, the less happy she reported her marriage to be."

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no hymen no diamond/cock carousel/a woman with a sexual past is ruined for marriage/once a ho...

Figure 2: The Relationship Between Sexual History and Marital Satisfaction



OCTOBER 22, 2018

Does Sexual History Affect Marital Happiness?

by Nicholas H. Wolfinger, @NICKWOLFINGER

Note: Ns = 6,471 (women) & 5,652 (men)

\* = significantly ( $p < .05$ ) lower odds of a "very happy" marriage compared to women reporting two lifetime sex partners. Source: General Social Survey 1989-2016.

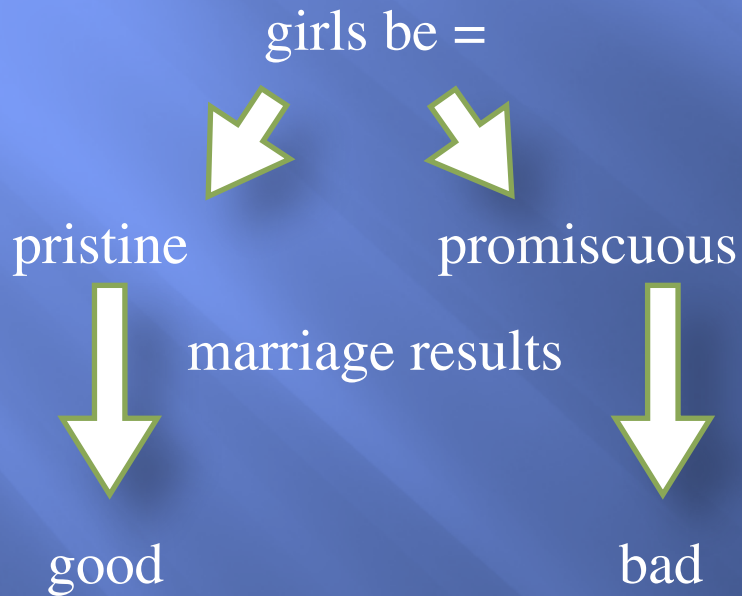
Institute for  
**Family Studies**



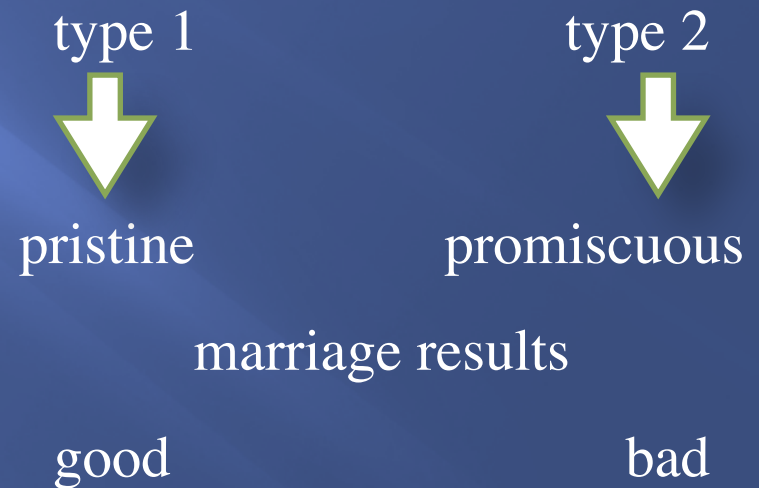
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Their interpretation:



Or.....:



classic misinterpretation of correlation data

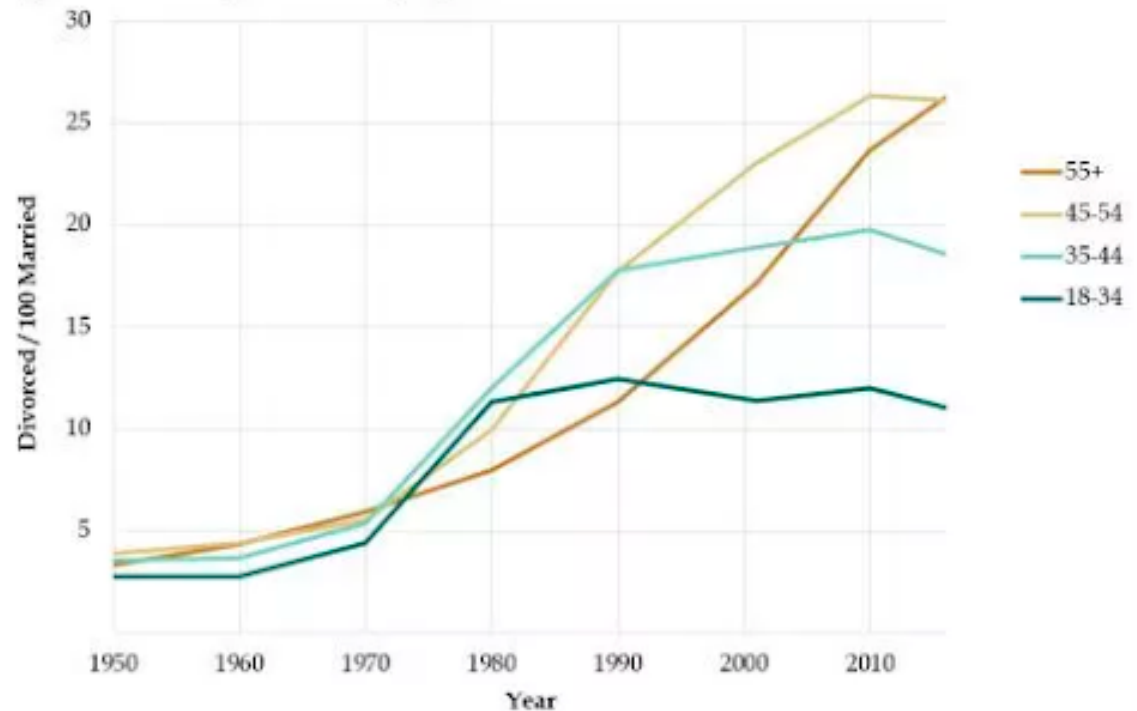
but also, wrong hill to die on from a science perspective

# Red Pill Slogans

divorce rape: a woman keeps a man around to get and support children then initiates divorce to enslave the man to alimony and child support

American  
Community Survey  
(ACS) data by Philip  
Cohen, a sociology  
professor at the  
University of  
Maryland,

Figure 3. Divorce prevalence by age, 1950-2016

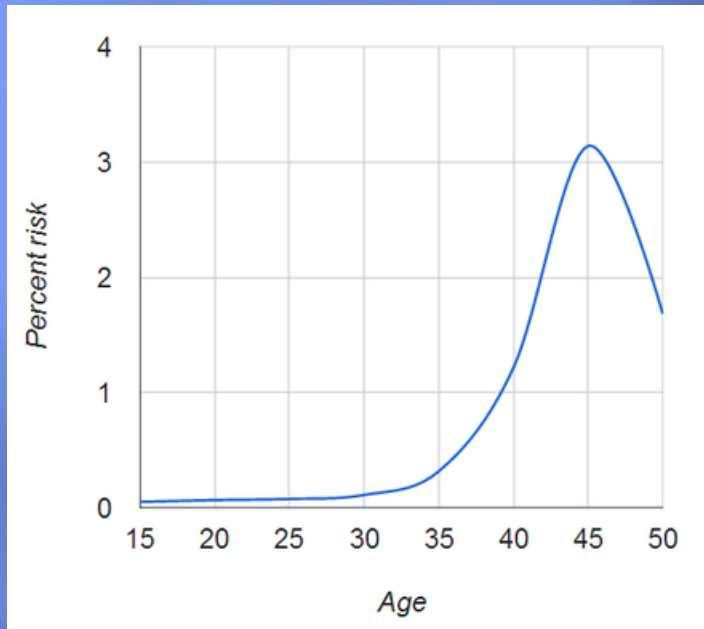


Millennials are making better marriage choices than previous generations, according to Cohen. He explains that “many of the people getting married today are more privileged than they used to be: more highly educated (both partners), and socially and economically stable, all of which bodes well for the survival of their marriages (even if it means more inequality in society)”.

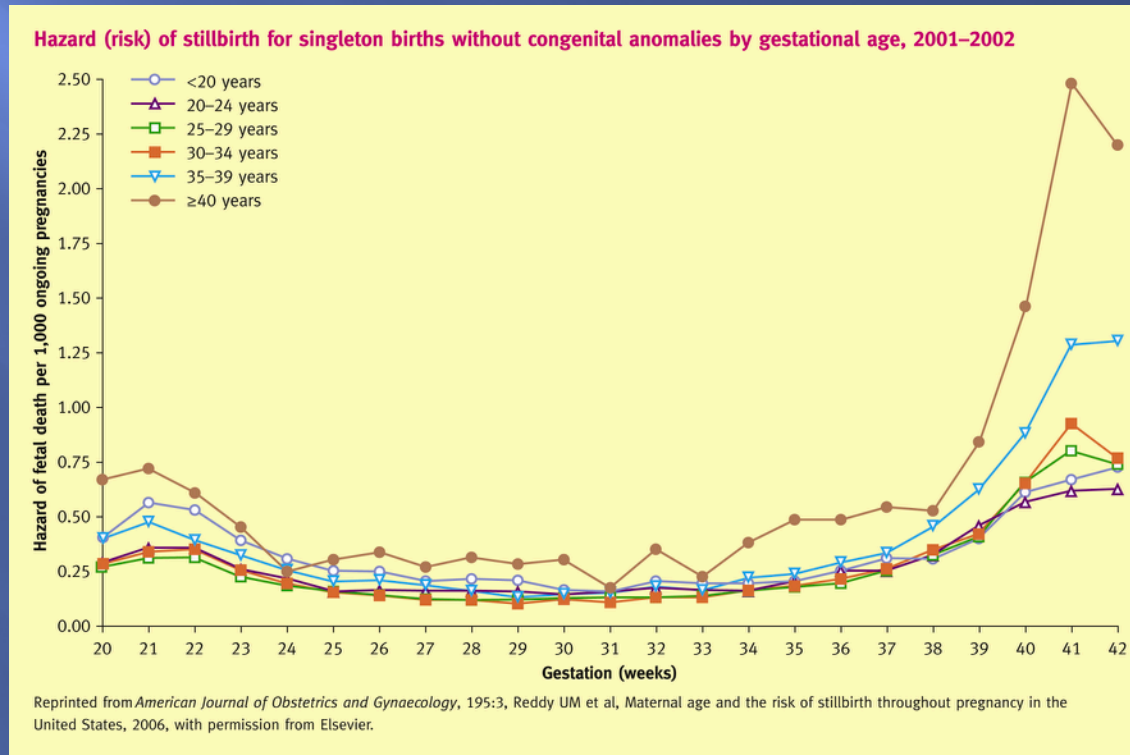
# Red Pill Slogans

dusty eggs/the “Wall” : once a woman gets older ( $>27$ ) then she is basically “useless”

Trisomy 21 specific risk



Stillbirth (prescreened)



double check the Y axes for absolute amounts



# Going Forward

stop clinging to old, moral systems with “shame” tactics

replace with a moral practical morality system

antibiotics, condoms

cut out the agism, woman have value beyond being reproducers

however, suggest bearing children when young

while getting away from marriage/life partner dogma

0-20

20-35

35-55

55—

youth

education/work

childrearing

fulfilling  
retirement/work

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my suggestion

youth

childrearing/work

education/work2

fulfilling  
retirement/work2