

# JULEX CAPITAL

## Interest rates, past, present, and future

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## Interest rates . . . . definitions

- Referring to “real interest rates”
- aka . . . Interest rates after expectations for future inflation has been subtracted out
- Real interest rates = nominal interest rates - expected future inflation
- Stay focused on interest rates for . . . . the 10-year U.S. Treasury bond

- **Level off**
  - but with extreme volatility
  - from now through the bottom of the coming recession
  
- **Then climb upward**
  - for the following “20 years”

# Interest rates today

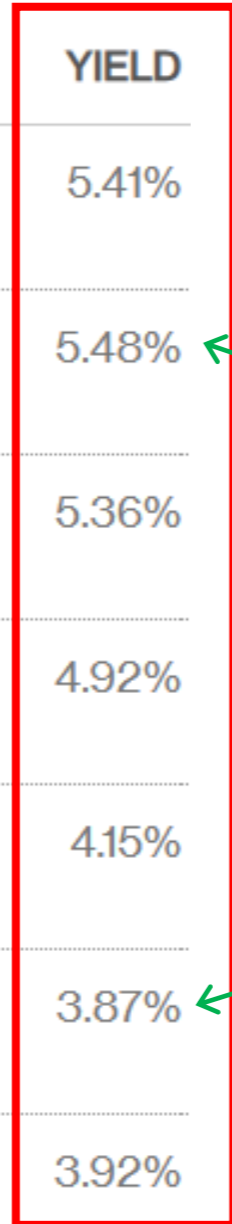
Just go to Bloomberg

## Treasury Yields

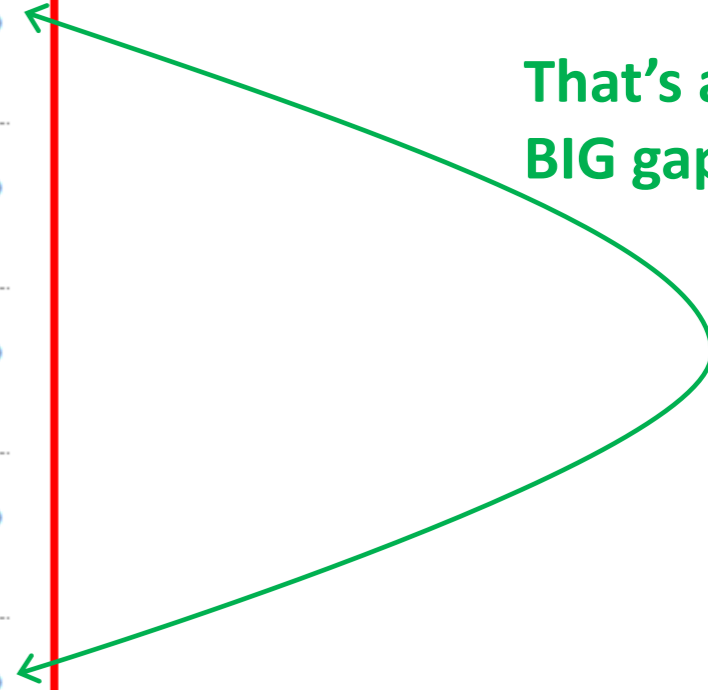
NAME	COUPON	PRICE	YIELD
GB3:GOV <b>3 Month</b>	0.00	5.26	5.41%
GB6:GOV <b>6 Month</b>	0.00	5.25	5.48%
GB12:GOV <b>12 Month</b>	0.00	5.07	5.36%
GT2:GOV <b>2 Year</b>	4.63	99.45	4.92%
GT5:GOV <b>5 Year</b>	4.00	99.32	4.15%
GT10:GOV <b>10 Year</b>	3.38	95.95	3.87%
GT30:GOV <b>30 Year</b>	3.63	94.77	3.92%

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That's a pretty BIG gap !!



# Treasury Inflation Protected Securities (TIPS)

NAME	COUPON	PRICE	YIELD
GTII5:GOV <b>5 Year</b>	1.25	97.22	1.87%
GTII10:GOV <b>10 Year</b>	1.38	99.09	1.47%
GTII20:GOV <b>20 Year</b>	0.75	85.30	1.68%
GTII30:GOV <b>30 Year</b>	1.50	97.73	1.60%

## Today . . . The 10-year U.S. Treasury is yielding

- Today at this moment
- The 10-year yield is **1.47%**
- Over the long-run . . . . . The average yield is **2.38%**
- That's **62% higher** than where interest rates stand today (proportionately)

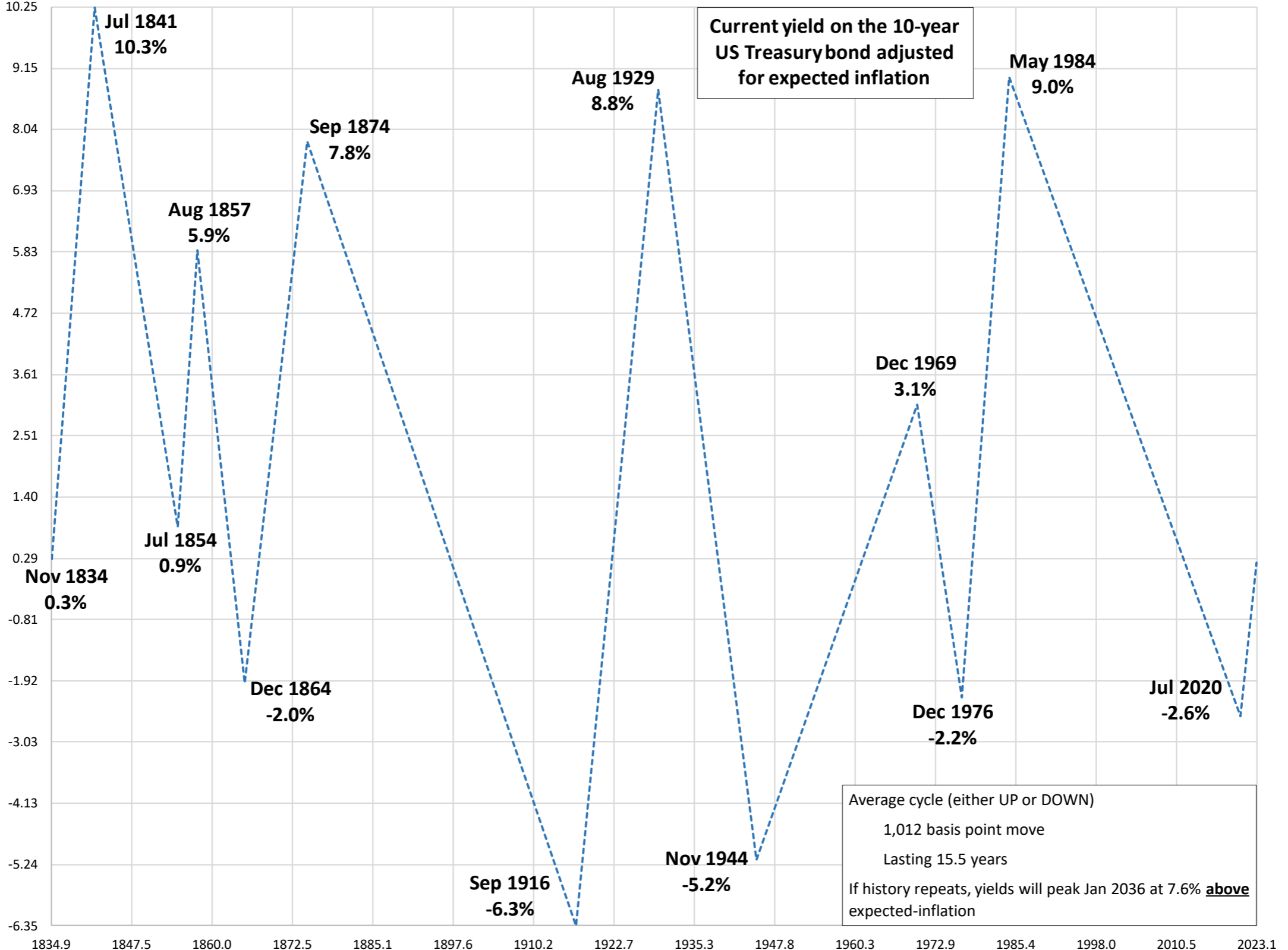


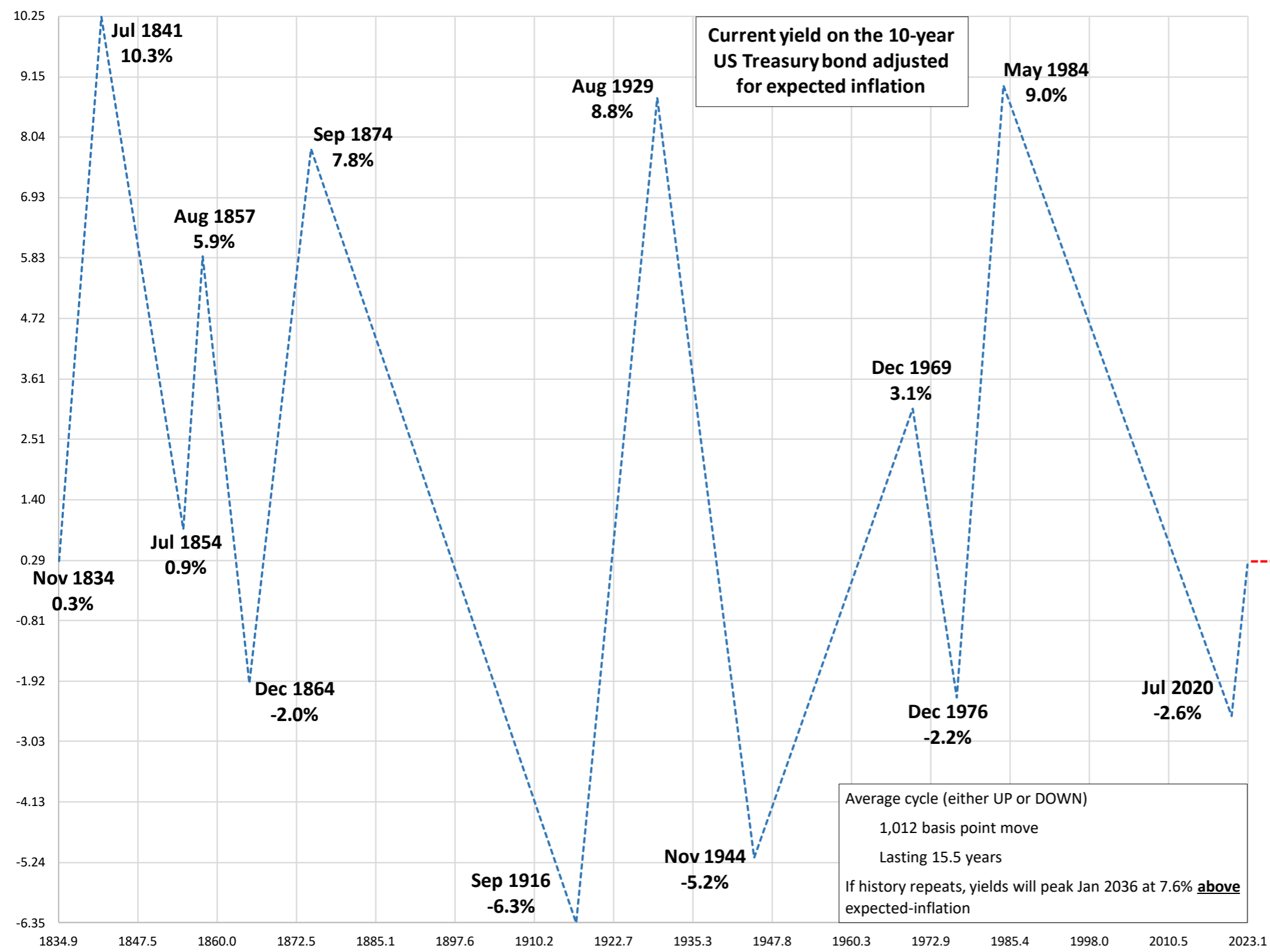
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- The 10-year yield is **1.47%**
- Over the long-run . . . . . **The average yield is 2.38%**
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**• Interest rates are far too low today . . . They can't stay this low**

# Interest rates over time

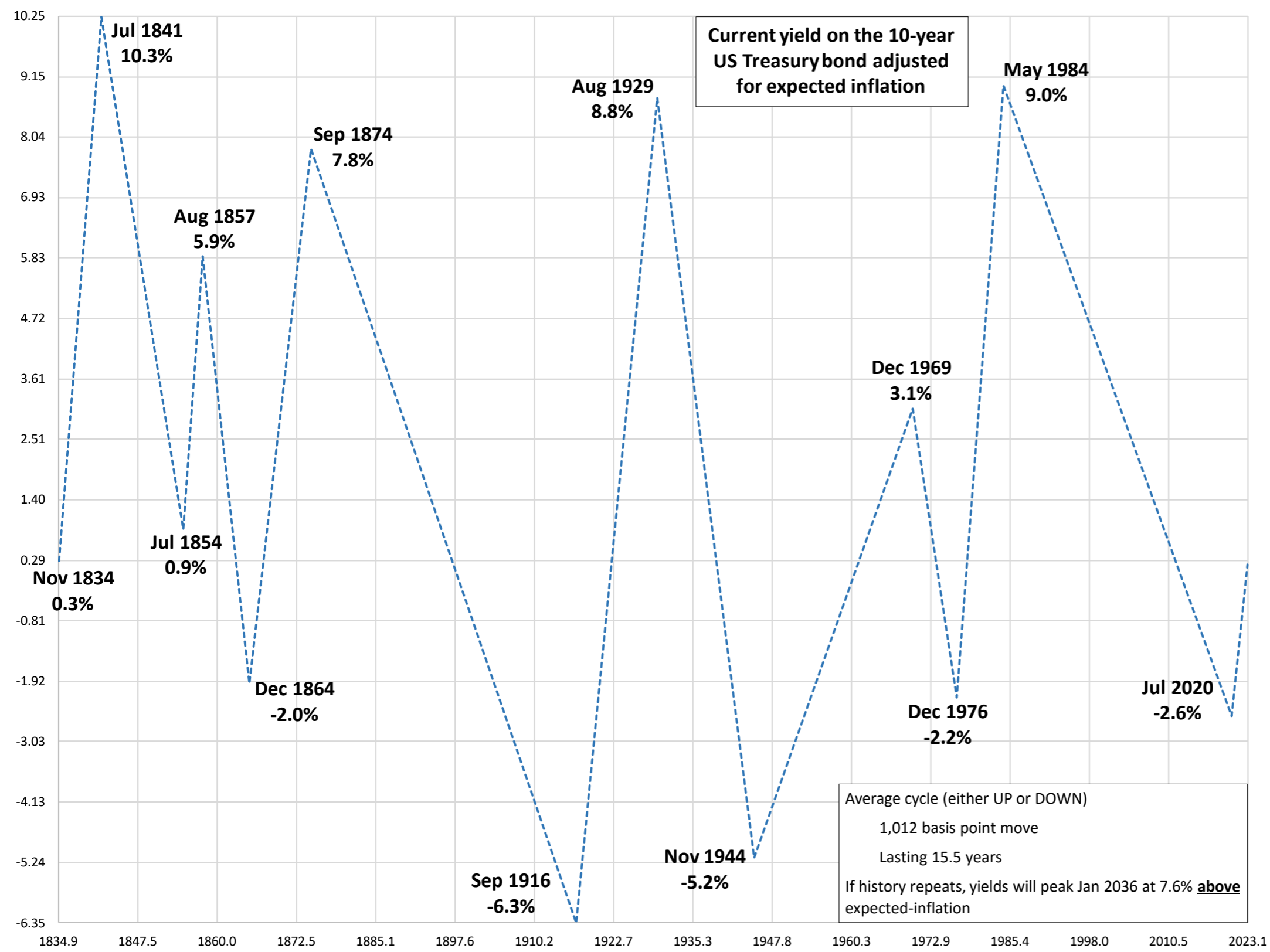




*It has NEVER done this before*

*It is illogical to assume something never before seen*

Average cycle (either UP or DOWN)  
 1,012 basis point move  
 Lasting 15.5 years  
 If history repeats, yields will peak Jan 2036 at 7.6% above expected-inflation



- ### Takeaways . . .
- Interest rates are never constant
  - Instead, they're either rising or falling
  - Interest rates . . . journey through long episodic eras

# Why must interest rates rise?

Over the long-term

## A simple obvious thought experiment

- The nominal yield on the 10-year U.S. Treasury is 3.87%
- You're marginal combined state and federal tax rate is 39%
- Inflation is expected to average 2.40% over the next 10 years
  
- Given these assumptions . . . if you invest in a 10-year U.S. Treasury
- You are guaranteed to lose -0.04% per year . . . every year . . . for ten years

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- This is impossible . . . as a permanent situation
  - People don't save/invest in order to guarantee and lock in a loss !!!



## A simple obvious thought experiment

- The nominal yield on the 10-year U.S. Treasury is 3.87%
- You're marginal combined state and federal tax rate is 39%
- Inflation is expected to average 4.27% per year

**Interest rates must and will rise . . .  
significantly**

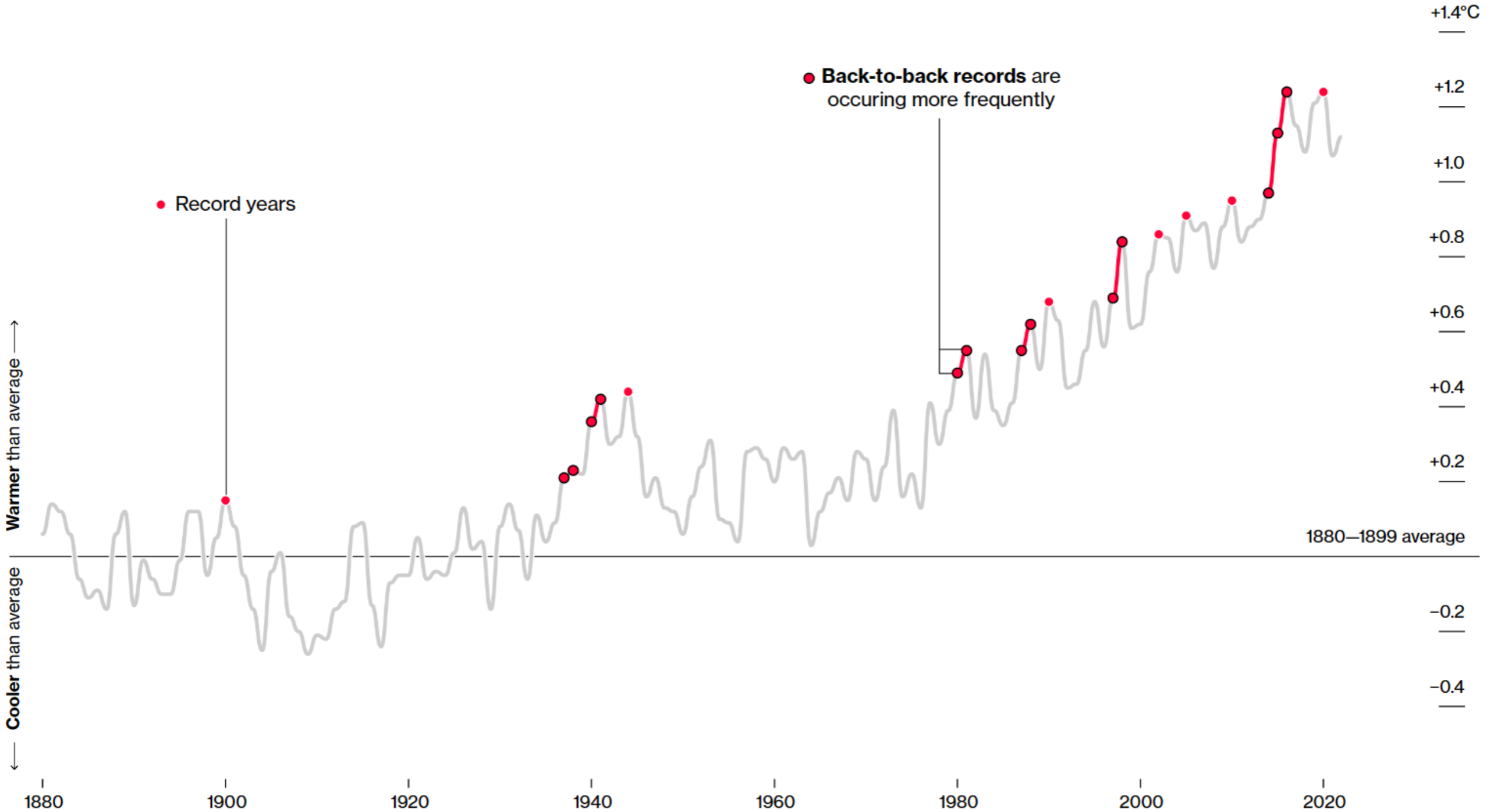
- Given these assumptions, you are guaranteed to lose **-0.04% per year . . . every year . . . for ten years**

- This is impossible . . . as a permanent situation
- People don't save/invest in order to guarantee and lock in a loss !!!

- It's all about funding (paying for) . . . projects . . . that're at play
- **Society and governments have several projects that they're attempting to finance**
  - Hot war with Russia
  - Cold war with China
  - Conversion from fossil fuels to renewables
  - Income inequality gap
  - Wealth inequality gap
  - Expanding social welfare programs
  - Changing weather patterns
  - Transitioning from one political structure . . . to a different structure
  - Deglobalization
- **Funding these projects . . . drives interest rates higher**

# Rising Heat

Average annual global temperature deviation from 1880–1899 average



Source: NASA GISS Surface Temperature Analysis

- Just stop
- Just stop
- This has absolutely zero to do with which political party gains dominance
- The forces at play are far far larger than any political differences . . . which honestly are trivial

# Review

The path forward

- **Level off**
  - but with extreme volatility
  - from now through the bottom of the coming recession
  
- **Then climb upward**
  - for the following “20 years”
  - Ok . . . maybe just 10-15 years

- The old irrelevant approach is dead . . . For goodness sake, just admit it's dead
  - MPT - Modern Portfolio Theory
  - Mean variance optimization
  - 60/40 portfolio
  - See the very nice piece on this by GMO . . . out of Boston
  
- What works . . . What's needed
  - Tactical asset allocation (TAA)
  - Serious, institutional, well-structured . . . alternative investments . . . If it's offered at a B/D it won't work

- The old irrelevant approach is dead . . . For goodness sake, just admit it's dead
  - MPT - Modern Portfolio Theory
  - Mean variance optimization
  - 60/40 portfolio

- **Julex has an article on their website addressing this point (soon to appear in *The Journal of Investing*)**

a B/D it won't work



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# Does the Federal Reserve determine interest rates

Friday

August 4<sup>th</sup>

11:00 a.m. EASTERN

All data and statistics were provided by Global Financial Data, Inc. and NDR, Inc. (unless otherwise indicated in the exhibit)

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