

Fiscal

# JEOPARDY!

The State of State Budgets



# JEOPARDY BOARD



| <b>British Rock Invasion</b><br>(Current State Budget Conditions) | <b>Pop Culture Potpourri</b><br>(State Tax Trends) | <b>Superheroes</b><br>(state fiscal health) | <b>1990 Movies</b><br>(federal funds) |
|---|--|---|---------------------------------------|
| <b>\$100</b>  | <b>\$100</b>                                       | <b>\$100</b>                                | <b>\$100</b>                          |
| <b>\$200</b>  | <b>\$200</b>                                       | <b>\$200</b>                                | <b>\$200</b>                          |
| <b>\$300</b>  | <b>\$300</b>                                       | <b>\$300</b>                                | <b>\$300</b>                          |
| <b>\$400</b>  | <b>\$400</b>                                       | <b>\$400</b>                                | <b>\$400</b>                          |
| <b>\$500</b>  | <b>\$500</b>                                       | <b>\$500</b>                                | <b>\$500</b>                          |

# British Rock Invasion - \$100 Question

This song by Pink Floyd  
opened the album *Dark Side  
of the Moon*



# British Rock Invasion - \$100

## Answer

What is *Money*?



# British Rock Invasion - \$200 Question

This Rolling Stones song title  
often serves as a life lesson



British Rock Invasion - \$200

Answer

What is *You Can't Always  
Get What you Want?*



# British Rock Invasion - \$300 Question

This Beatles song refers to  
government activity on April  
15th



# British Rock Invasion - \$300

## Answer

What is  
*Taxman?*





# British Rock Invasion - \$400 Question

This song by The Who serves  
as the theme song in CSI  
Miami



# British Rock Invasion - \$400

## Answer

What is *Won't Get Fooled Again?*



# British Rock Invasion - \$500 Question

This song from the Beatles  
Let It Be album is a  
reflection of the band's  
journey



British Rock Invasion - \$500

Answer

What is *Long and Winding Road*?



## Pop Culture Potpourri - \$100

In July 2022, Real Housewives star Jen Shah pled *what* to a charge of wire fraud for her role in a telemarketing scheme?



# Pop Culture Potpourri - \$100

## Answer

What is guilty?



# Pop Culture Potpourri - \$200

## Question

This is Taylor Swift's lucky  
number



# Pop Culture Potpourri - \$200

## Answer

What is 13?





## Pop Culture Potpourri - \$300

In the recent movie, Barbie uses a pink convertible, snowmobile, spaceship, tandem bike, camper, boat and rollerskates to do what?



# Pop Culture Potpourri - \$300

What is travel to the real world?

Slide



# Pop Culture Potpourri - \$400

## Question

This song by the Buggles  
launched MTV in 1981 with  
the very first music video



# Pop Culture Potpourri - \$400

## Answer

What is *Video Killed the Radio Star*?



# Pop Culture Potpourri - \$500

## Question

This 1984 SciFi action film  
starred Arnold  
Schwarzenegger as a cyborg  
assassin



# Pop Culture Potpourri - \$500

## Answer

What is *The Terminator*?



# Superheroes - \$100 Question

Leaps tall buildings in a  
single bound





# Superheroes - \$100 Answer

Who is Superman?

# U.S. Cities | Commercial Office Space

U.S. share of days worked from home



U.S. remote-capable jobs working 100% onsite



Office occupancy in select cities based on badge swipes

47.6% (week of May 29, 2023)



Estimated per person reduction in annual consumer spending in large U.S. cities

\$2,000 - \$5,000



U.S. office vacancy rate (Q1 2020 to Q1 2023)



Sources: WFH Research – U.S. Survey of Working Arrangements And Attitudes, Gallup, Kastle Systems' Weekly Occupancy Data: Back to Work Barometer, Cushman & Wakefield, American Public Transportation Assn.  
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## Superheroes - \$200 Question

This group of superheroes  
has rescued New York from  
multiple invasions



# Superheroes - \$200 Answer

Who are The Avengers?

## U.S. States | Select Recent Employee Incentives

- CT – 2.5% general wage increase in FY23, with a \$2,500 bonus in May and a \$1,000 bonus in July
- GA - \$2,000 across the board cost-of-living adjustment, with \$2,000 - \$4,000 more for law enforcement
- KY - \$15,000 pay increase for State Police, \$4,800 increase in FY23 for social worker with another 10% increase in FY24
- MI – Recurring \$2,000 bonus for full-time school employees, increasing to \$4,000 in fiscal 2026
- NE - \$5,000 hiring bonuses for correction officers
- NC - \$1,500 retention bonuses for state employees making under \$75,000
- TN – 5% increase in base pay for state employees with increase to 401K match and a paid parental leave program



# Superheroes - \$300 Question

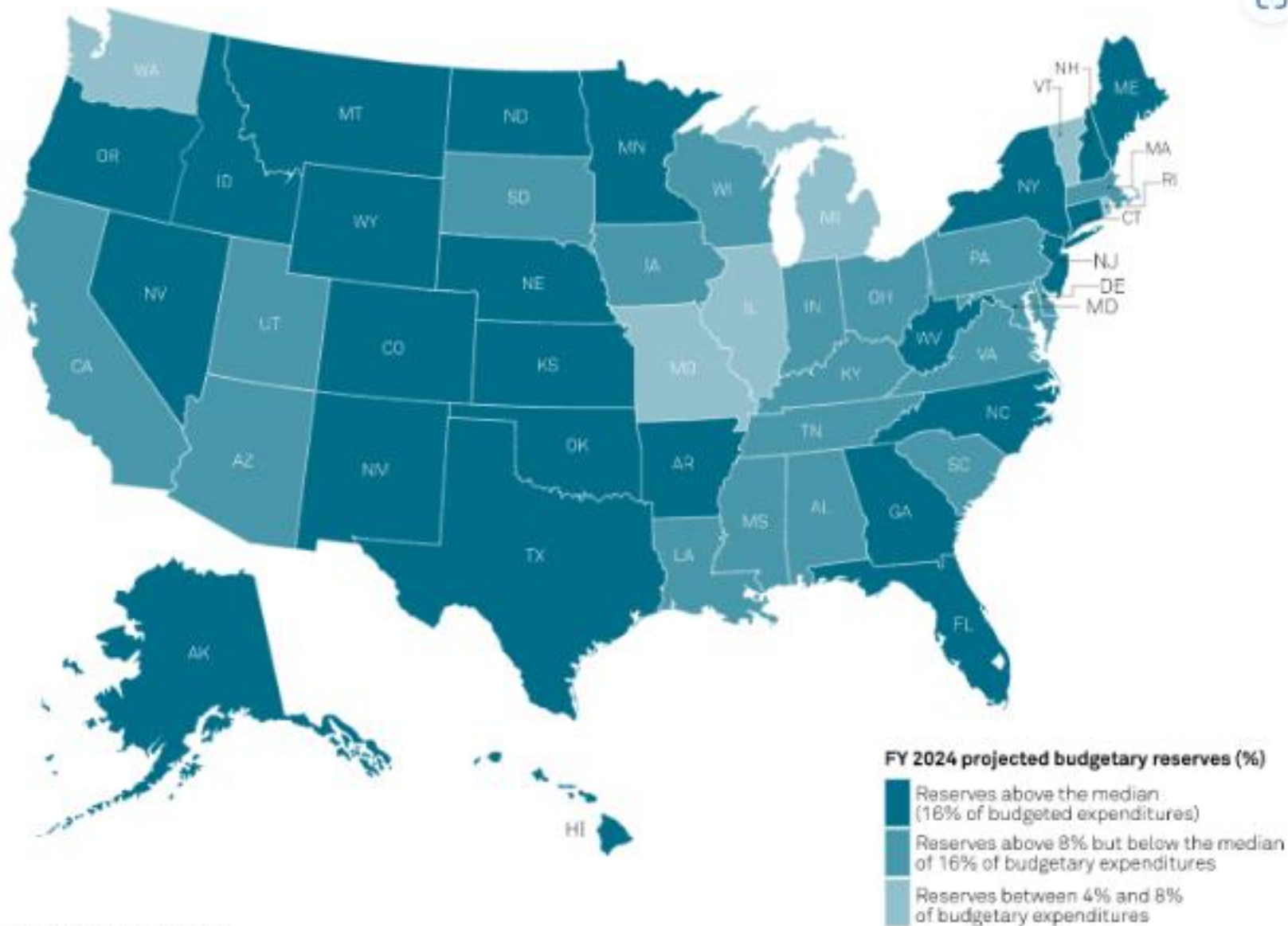
This superhero built the  
Avengers tower and campus



# Superheroes - \$300 Answer

Who is Tony Stark aka  
Ironman?

# U.S. States | State Budget Reserves For Fiscal 2024



Source: S&P Global Ratings.  
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# Superheroes - \$400 Question

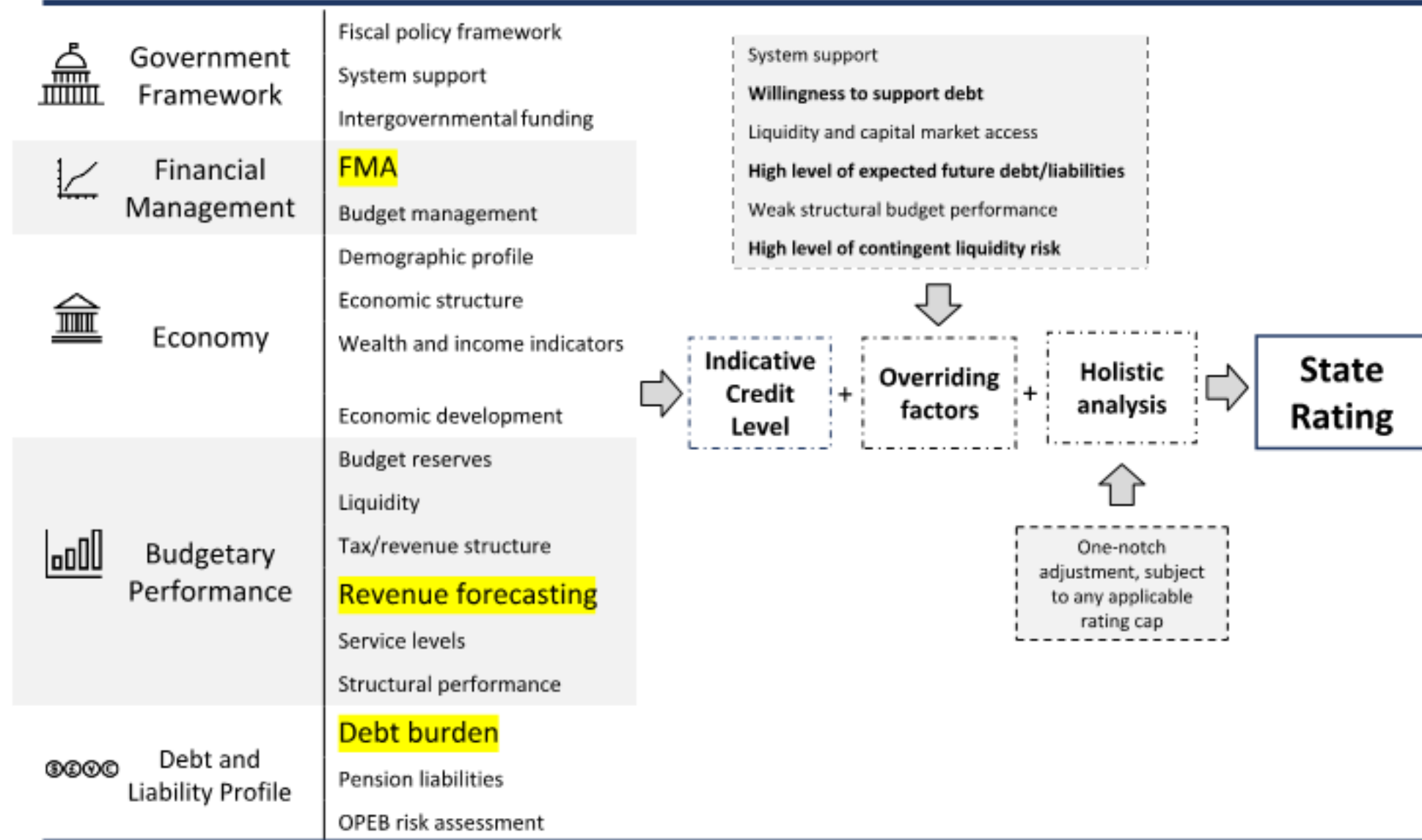
This superhero sees multiple  
futures



# Superheroes - \$400 Answer

Who is Dr. Strange?

# U.S. States | U.S. State Ratings Methodology (GO)



## Superheroes - \$500 Question

This superhero is a computer  
in human form



# Superheroes - \$500 Answer

Who is Vision?

# U.S. Public Finance | Cyber Risk Management

## What we're watching



### Prepare

- ✓ Identify areas of risk
- ✓ Protect assets and data
- ✓ Engage in cyber hygiene practices



### Respond

- ✓ Detect and respond to an attack



### Recover

- ✓ Recover data
- ✓ Maintain sufficient liquidity
- ✓ Disclose attacks

Source: S&P Global Ratings.

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# Disruptors | What is AI?

## Machine Learning



AI subset which uses statistical models and deep neural networks - typically algorithms - to enable machines to improve through repetitive iterations

## Decision Tree



Uses flow-chart structures to move down a 'tree' of possible outcomes to arrive at a conclusion or predict an outcome

## Topic Modeling



Scans groups or articles of documents to discover latent themes

## Clustering



Using functions to search for commonalities between elements, and then grouping them

## Regression



A mathematical formula which measures the relationship between two or more variables

## Instance Based



Compares new problem instances with previous instances in memory to come to a conclusion

## Feature Engineering



The process of extracting features from raw data to transform the data, which enables the building of models

## K-Means



Uses averages to group data by category or topic



## 90s Movies - \$100 Question

This raunchy high school comedy gained a cult following and launched a series of 9 total films

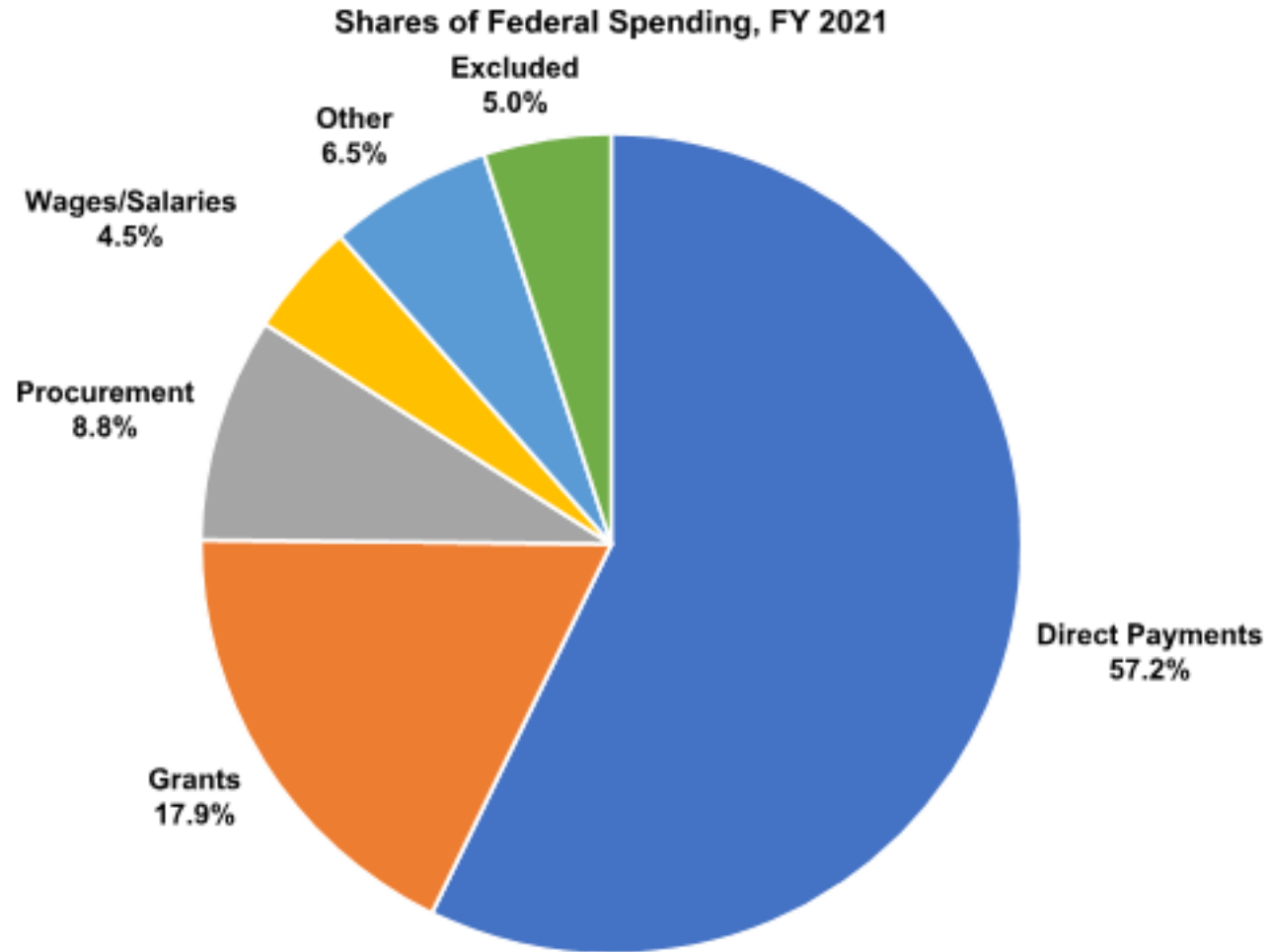




# 90s Movies - \$100 Answer

What is *American Pie*?

# American Pie: How is the pie divided?

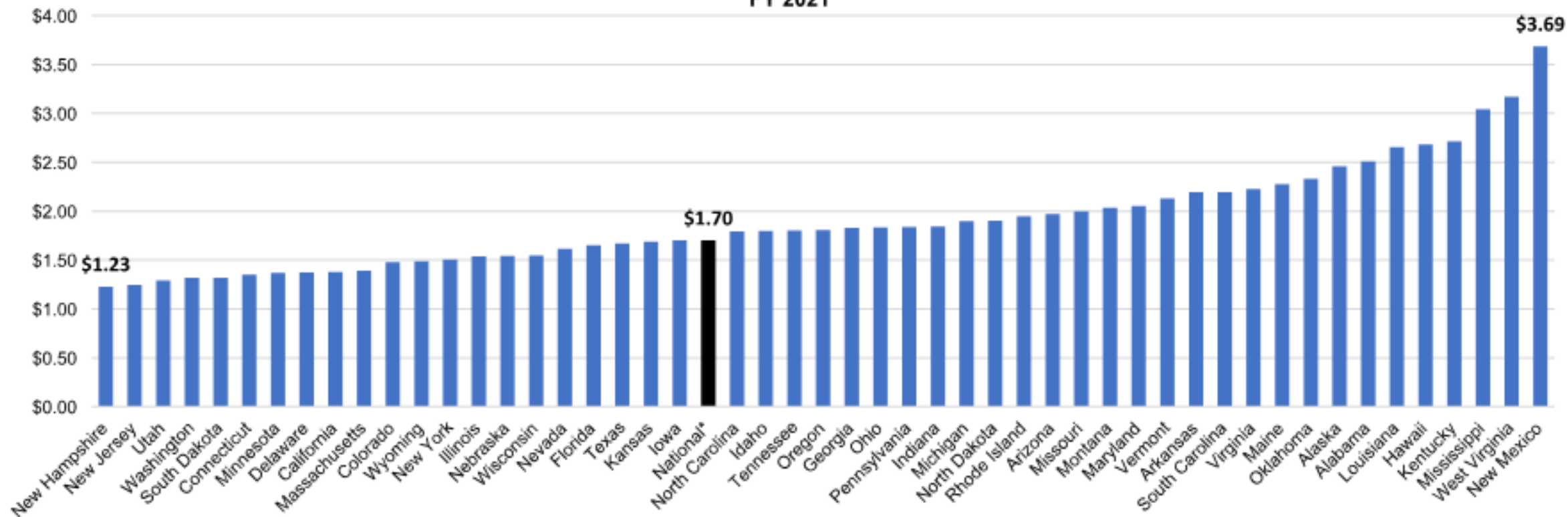


Source: NY State Comptroller

# Spending v. taxes determines balance of payments



Return on Each \$1 of Taxes Paid,  
FY 2021



\*National figure includes states and the District of Columbia, which is excluded from chart (\$5.18).

Source: NY State Comptroller



## 90s Movies - \$200 Question

This 1995 action comedy film  
starred Wesley Snipes,  
Woody Harrelson and  
Jennifer Lopez



# 90s Movies - \$200 Answer

What is *The Money Train*?

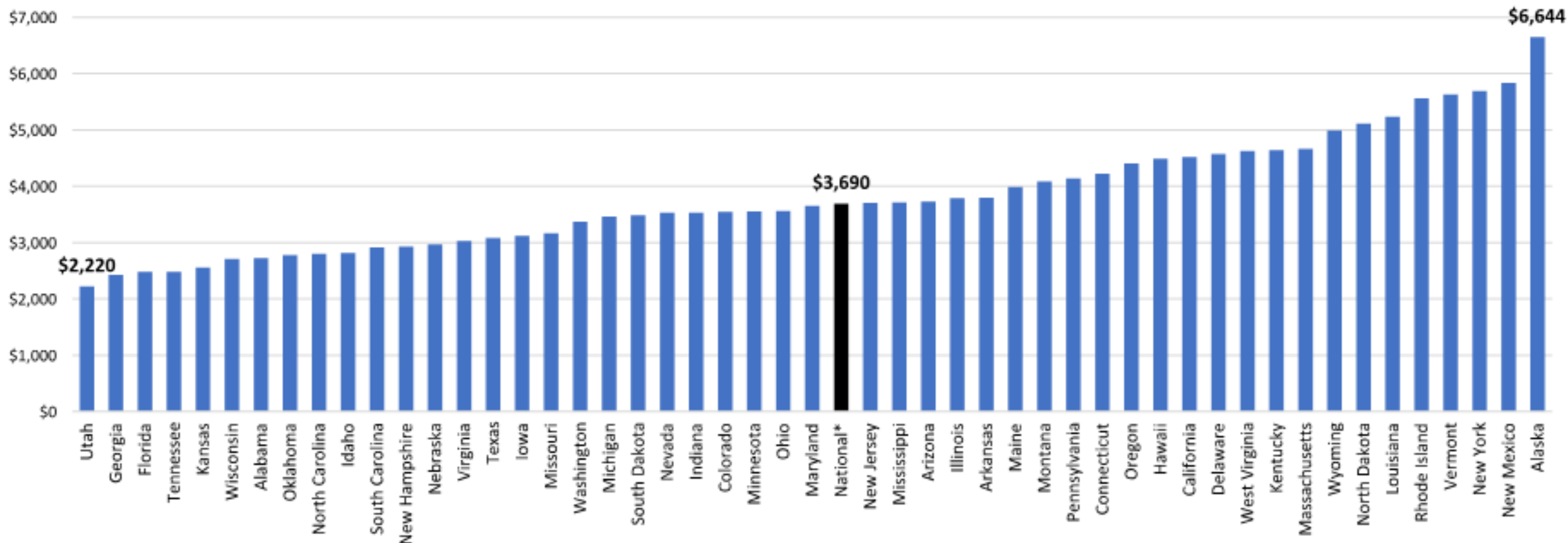
# The Money Train: How many grant funds come in?



# How the four factors translate to dollars



Grant Funding Per Capita, FY 2021



\* National figure includes states and District of Columbia, which is excluded from chart (\$14,551).

Source: NY State Comptroller



## 90s Movies - \$300 Question

This 1990 drama starred  
Glenn Close and Jeremy  
Irons





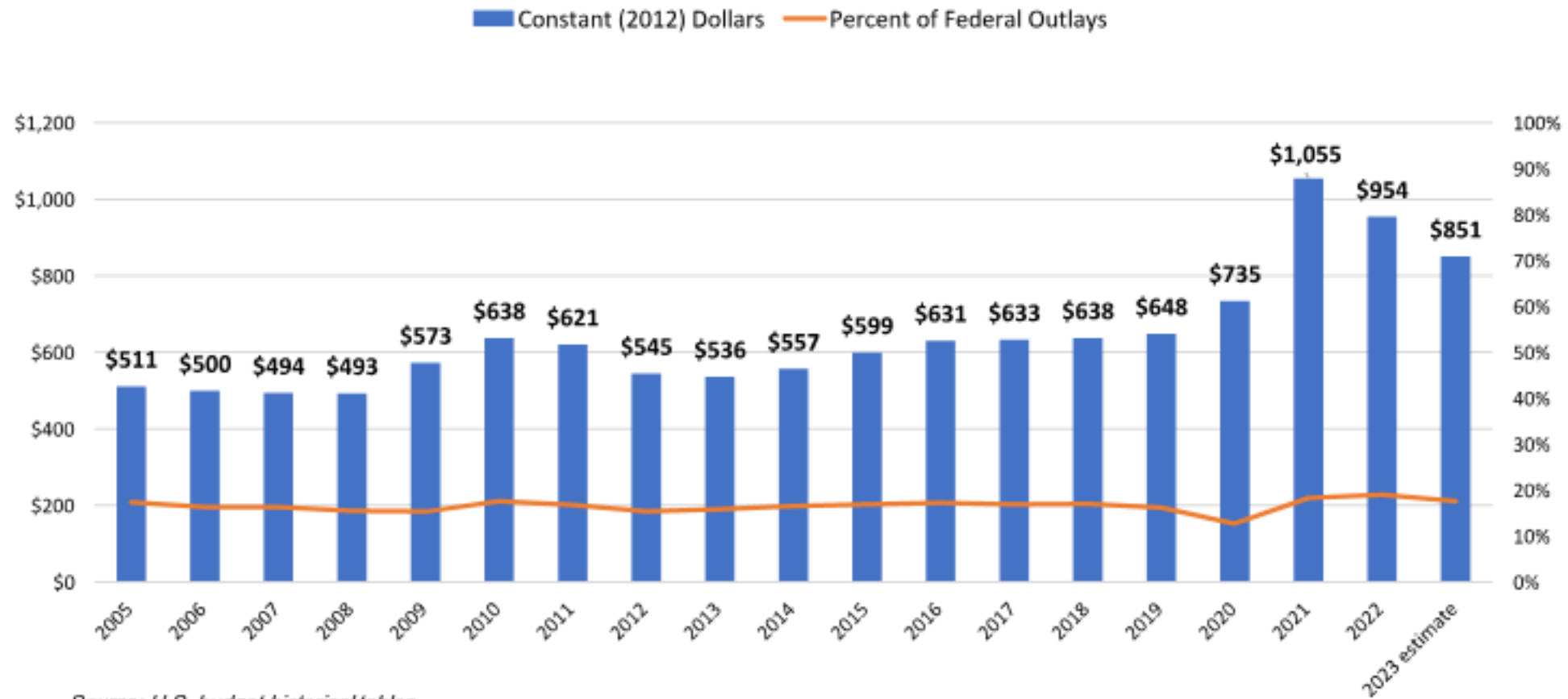
# 90s Movies - \$300 Answer

What is *Reversal of Fortune*?

# Reversal of Fortune: When the going gets tough, the feds step in



Grants to State and Local Governments in Constant Dollars, as Share of Federal Outlays (\$ in billions)

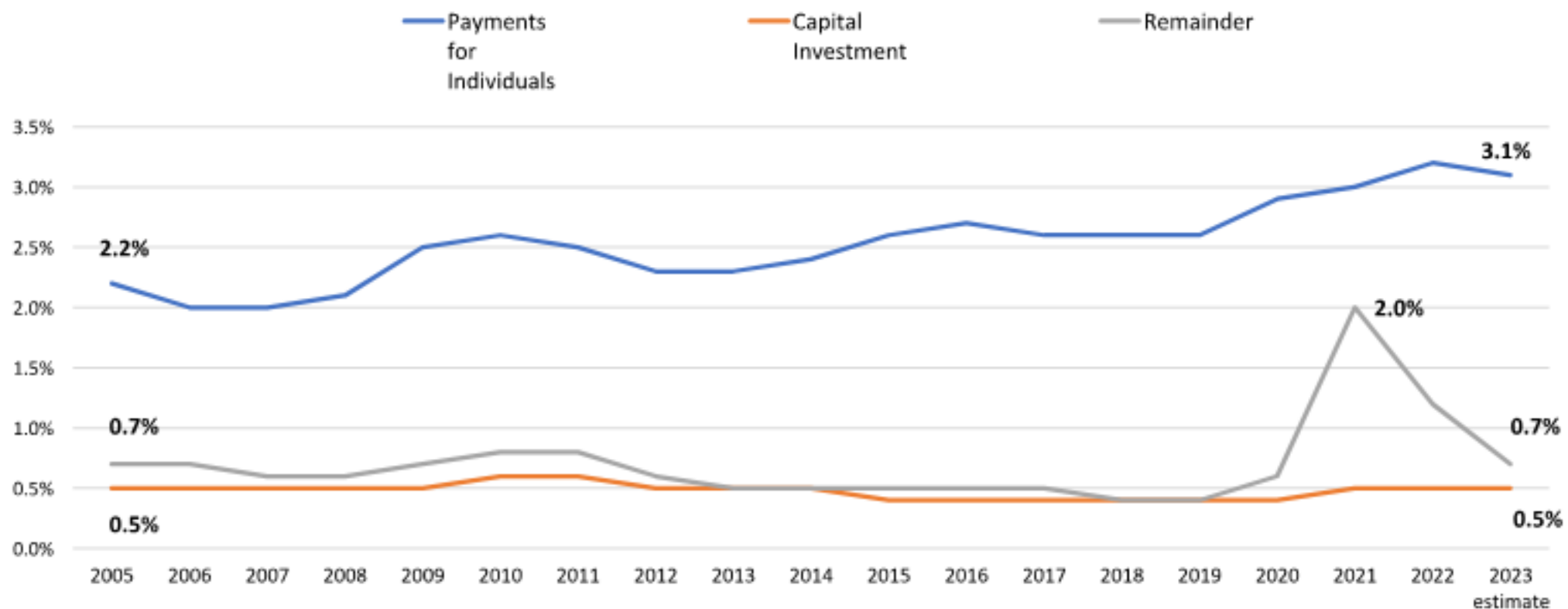


Source: U.S. budget historical tables

# Over time, grants have shifted toward aid to individuals



Composition of Federal Grants to State and Local Governments as a Share of GDP



Source: U.S. budget historical tables



## 90s Movies - \$400 Question

This is what Thelma and Louise did at the end of the movie



# 90s Movies - \$400 Answer

What is drove off a cliff?

Slide



# Thelma & Louise: IIJA resources for avoiding cliffs

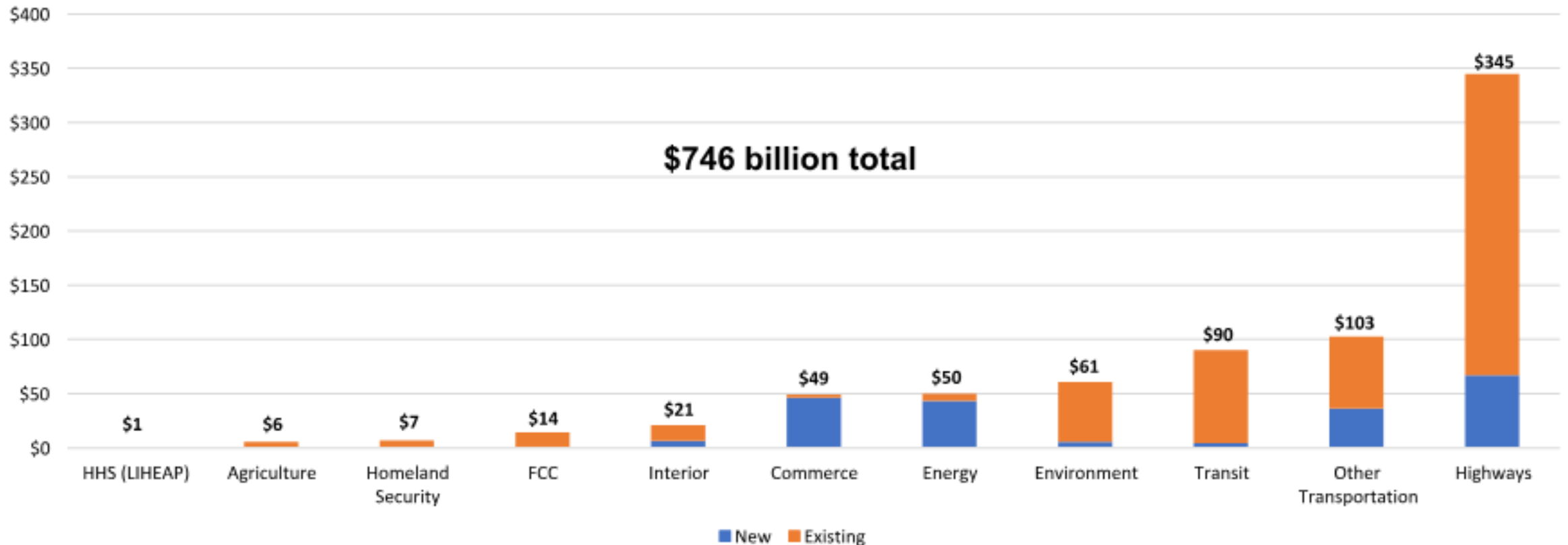
FFIS has identified almost \$200 B in new grant programs for which states are eligible

| DOC<br>(\$46.2B)   | FHWA<br>(\$66.3B)   | EPA<br>(\$5.46B)  | DOE<br>(\$36.9B)  | DOI<br>(\$5.8B)   |
|--|---|---|---|---|
| <ul style="list-style-type: none"><li>• Broadband (\$42.45 B)</li><li>• Related digital equity (\$3.75B)</li></ul> | <ul style="list-style-type: none"><li>• Bridges (\$40B)</li><li>• Resilience (\$8.7B)</li><li>• EV formula (\$5B)</li></ul> | <ul style="list-style-type: none"><li>• School buses (\$5B)</li></ul> | <ul style="list-style-type: none"><li>• Batteries (\$6B)</li><li>• Carbon (\$8.4B)</li><li>• Electric grid (\$7.5B)</li></ul> | <ul style="list-style-type: none"><li>• Orphaned wells (\$4.3B)</li></ul> |

# IIJA funding by department



IIJA Funding for New and Existing Programs, FYs 2022-2026  
(\$ in billions)



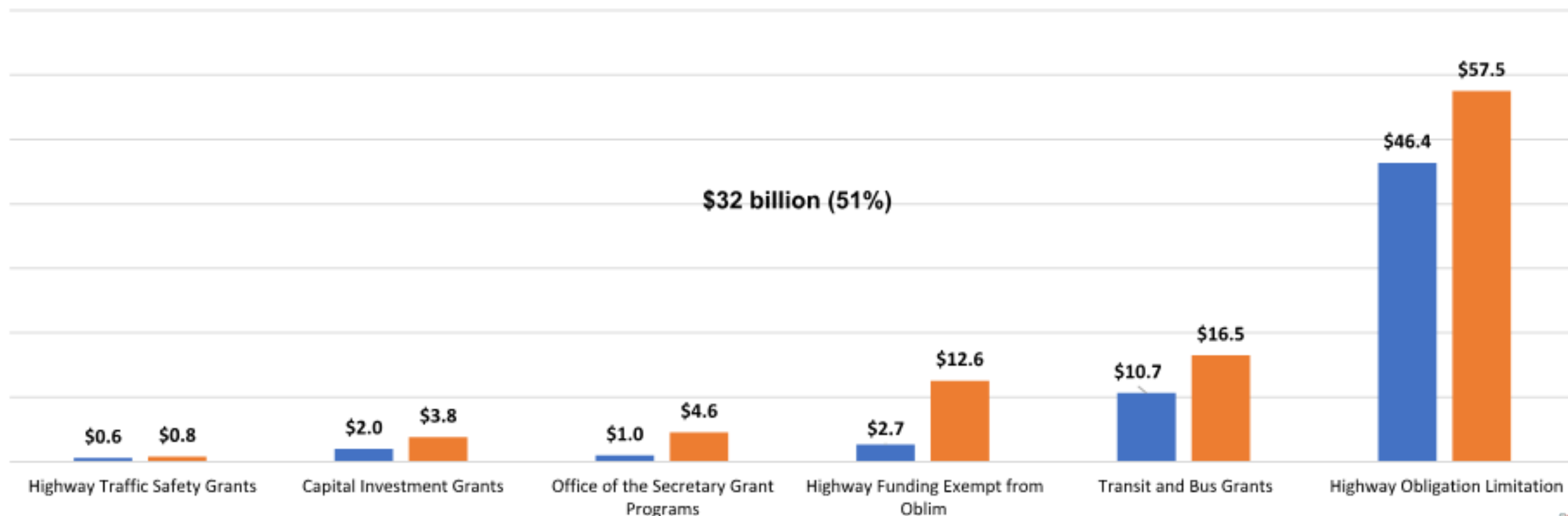
# Examples of existing programs getting a boost under IIJA



Year-1 Impact of IIJA Transportation Funding

(\$ in billions)

FY 2021 FY 2022





## 90s Movies - \$500 Question

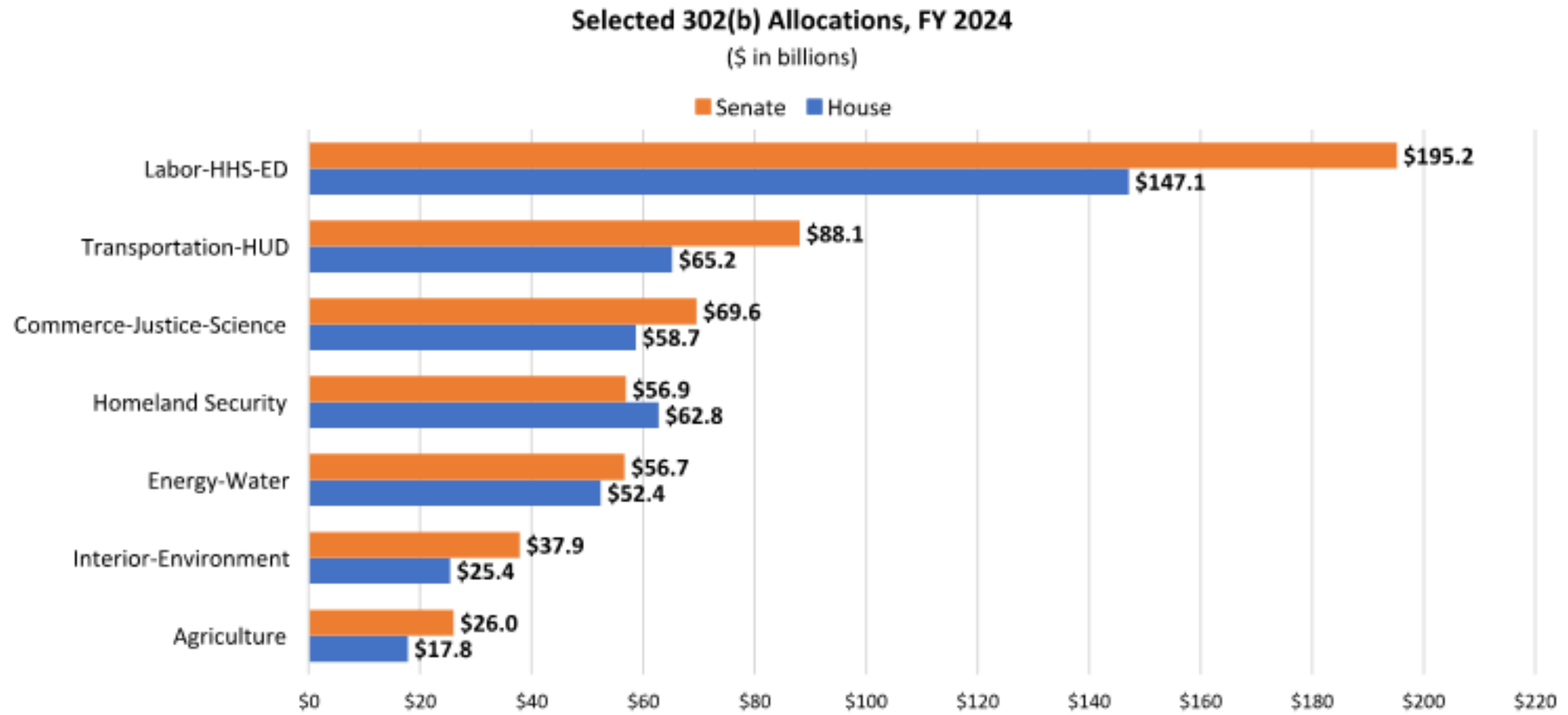
This 1999 film starring Brad Pitt, Edward Norton and Helena Bonham Carter was a box office failure but later found success with its home release



# 90s Movies - \$500 Answer

What is Fight Club?

# Fight Club: The House and Senate are at odds



Source: House and Senate appropriations committees

# Fiscal Recovery Act includes conflicting incentives

