Economic Pulse Dashboard

Navigation
- Overview
- Inflation
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Key Metrics
- **5.51%** Inflation YoY (%)
- **2.67%** Unemployment YoY (%)
- **4.65%** GDP YoY (%)
- **67.50** Economic Index
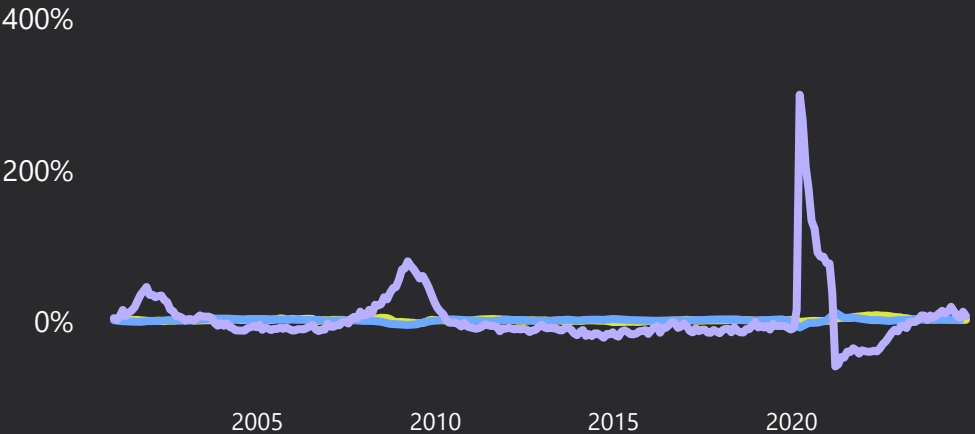- **6.62%** Retail Sales YoY (%)
- **7.07%** PCE YoY (%)
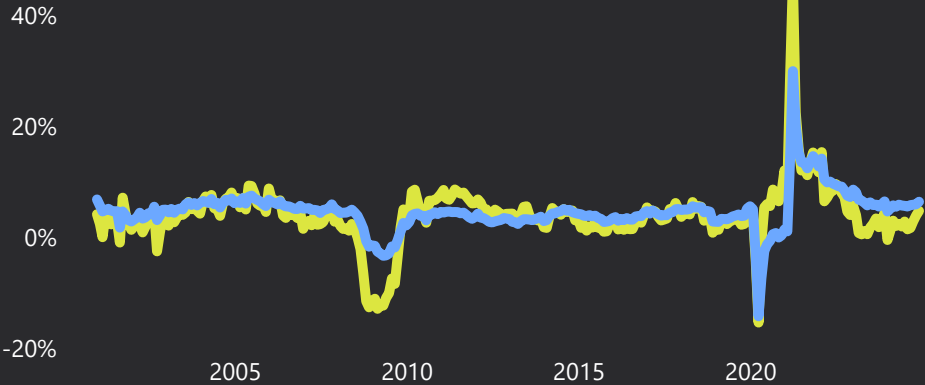- **11.48%** SP500 YoY (%)

Macro Trends: CPI, Unemployment, GDP

● CPI YoY % ● GDP YoY % ● Unemployment YoY %

Consumer Trends: Retail Sales & PCE YoY

● Retail Sales YoY % ● PCE YoY %

Year	CPI YoY %	Unemployment YoY %	GDP YoY %	Retail Sales YoY %	PCE YoY %	SP500 YoY %
2001	2.82%	19.54%	0.96%	2.90%	4.53%	-17.66%
2002	1.60%	21.97%	1.70%	2.10%	3.89%	-15.43%
2003	2.30%	3.60%	2.80%	4.24%	5.33%	-2.89%
2004	2.67%	-7.51%	3.85%	6.20%	6.35%	17.14%

Economic Pulse Dashboard

5.51%
Inflation YoY (%)

0.00
CPI MoM %

Stable
Economic Index Label

67.50
Economic Index

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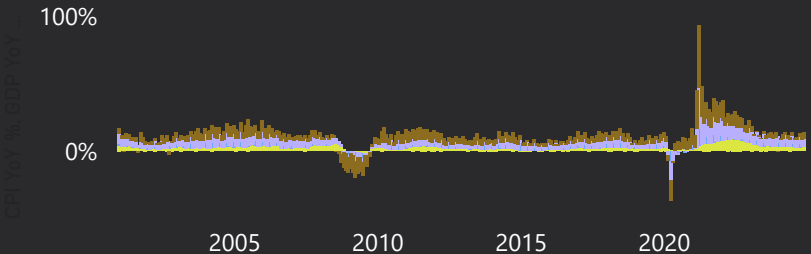- Consumer Activity
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CPI & PCE Trend Over Time
Annual movement of consumer prices and personal consumption

— CPI — PCE
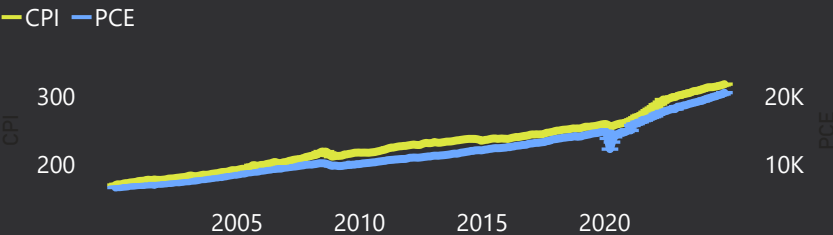
YoY Change by Economic Indicator
CPI, GDP, PCE, Retail, and SP500 YoY%

Year
All

CPI	Retail
GDP	SP500
PCE	Unemployment

Indicator	Indicator YoY %
CPI	5.51%
GDP	4.65%
PCE	7.07%
Retail	6.62%
SP500	11.48%
Unemployment	-2.67%

Year ✕

CPI Y...
5.51%

- 2022 7.99%
- 2021 4.68%
- 2023 4.13%
- 2008 3.81%
- 2005 3.37%
- 2006 3.22%

Economic Pulse Dashboard

Overview

Inflation

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2.67%
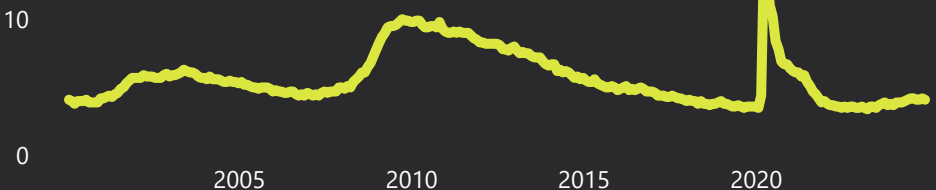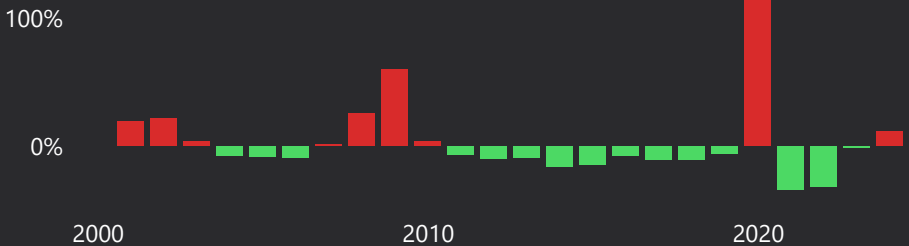Unemployment YoY (%)

67.50
Economic Index

4.1%
Unemployment Latest

Unemployment Rate Trend
Monthly unemplyment rate over time

Unemployment YoY % by Year

Year

All

Indicator	Indicator YoY %
SP500	11.48%
PCE	7.07%
Retail	6.62%
CPI	5.51%
GDP	4.65%
Unemployment	-2.67%

Year ✕

Une...
2.67%

2020
120.41%

2009
60.06%

2008
25.63%

2002
21.97%

2001
19.54%

2024
11.01%

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Key Metrics
- **4.65%** — GDP YoY (%)
- **67.50** — Economic Index
- **2.79%** — GDP Latest (%)

GDP Trend Over Time
Quarterly GDP movement
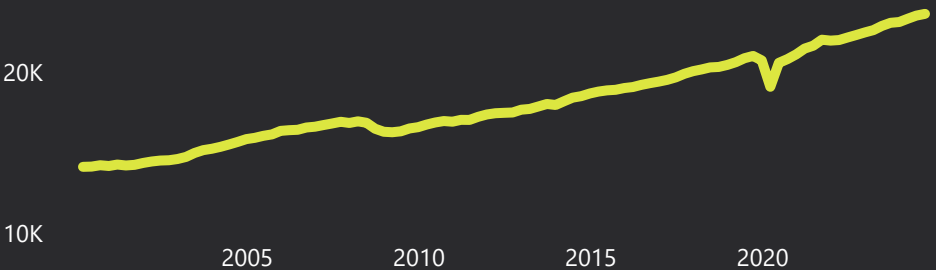
(Y-axis: 20K, 10K; X-axis: 2005, 2010, 2015, 2020)

GDP YoY% by year

(Y-axis: 10%, 0%; X-axis: 2000, 2010, 2020)

Year
All

Indicator Table

Indicator	Indicator YoY %
SP500	11.48%
PCE	7.07%
Retail	6.62%
CPI	5.51%
GDP	4.65%
Unemployment	-2.67%

GDP YoY Breakdown
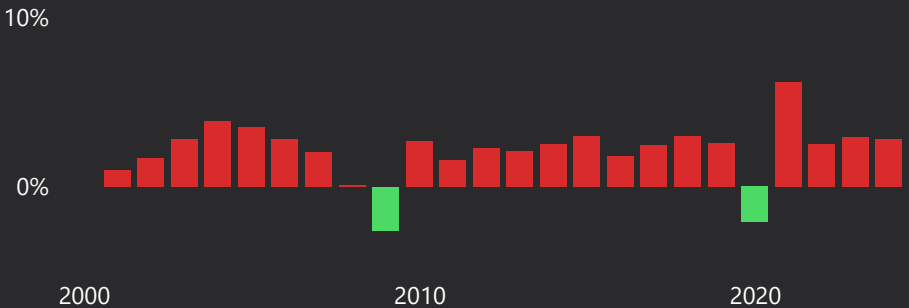
Year ✕
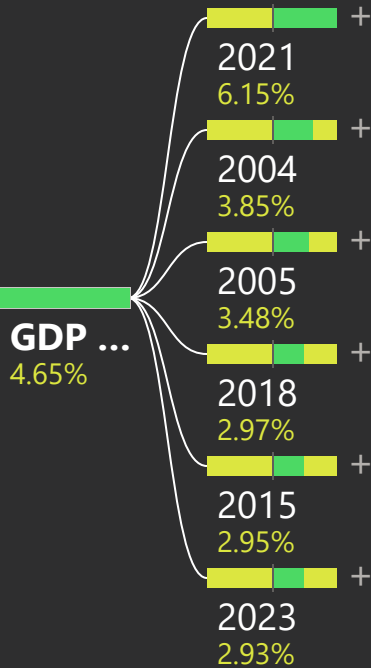
GDP ...
4.65%

Year	Value
2021	6.15%
2004	3.85%
2005	3.48%
2018	2.97%
2015	2.95%
2023	2.93%

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67.50
Economic Index

6.62%
Retail Sales YoY (%)

7.07%
PCE YoY (%)

Retail Vs PCE
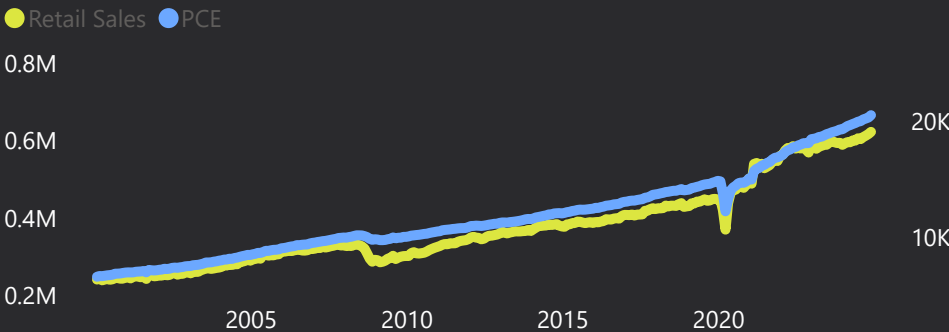
- Retail Sales
- PCE

0.8M
0.6M
0.4M
0.2M

20K
10K

2005 2010 2015 2020

Consumer Spending YoY%

PCE

5%
0%
-5%

2000 2020

Retail

2000 2020

Year

All

Indicator	Indicator YoY %
SP500	11.48%
PCE	7.07%
Retail	6.62%
CPI	5.51%
GDP	4.65%
Unemployment	-2.67%
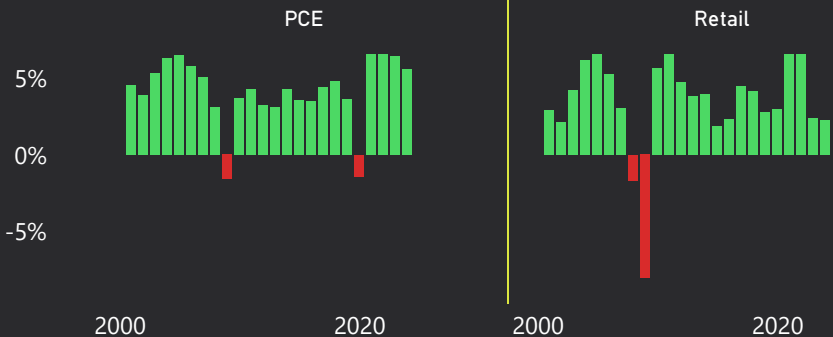
Retail Sales Drivers

Year ✕

Retai...
112793...

2024	7244267
2023	7082515
2022	6915252
2021	6390404
2020	5463815
2019	5304689

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11.48%
SP500 YoY (%)

67.50
Economic Index

27.73%
SP500 Latest Return

SP500 Trend Over Time
Market performance over time
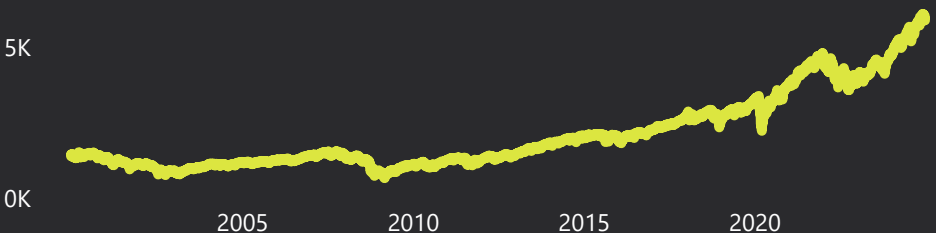
Year
All

SP500 Drivers

Year ✕

SP500 YoY % by Year

Indicator	Indicator YoY %
SP500	11.48%
PCE	7.07%
Retail	6.62%
CPI	5.51%
GDP	4.65%
Unemployment	-2.67%
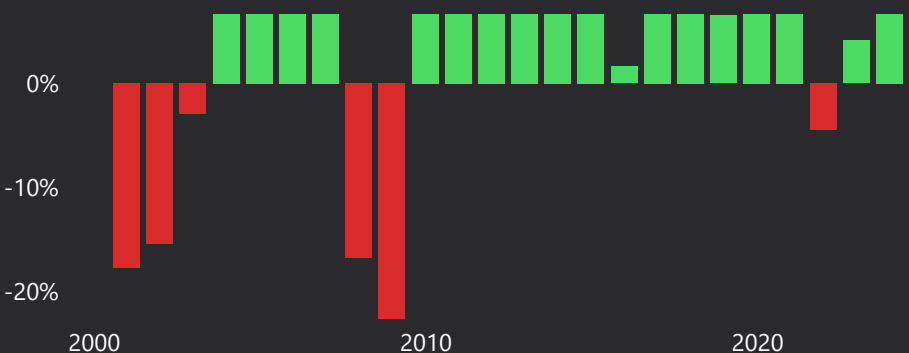
SP500
13.28M

2024
1.37M

2021
1.08M

2023
1.07M

2022
1.03M

2020
0.81M

2019
0.73M

Economic Pulse Dashboard

Data Sources

This dashboard uses publicly available U.S. economic and financial data from the following sources:

- **Consumer Price Index (CPI):** U.S. Bureau of Labor Statistics (BLS)

- **Personal Consumption Expenditures (PCE):** U.S. Bureau of Economic Analysis (BEA)

- **Gross Domestic Product (GDP):** U.S. Bureau of Economic Analysis (BEA)

- **Unemployment Rate:** U.S. Bureau of Labor Statistics (BLS)

- **Retail Sales:** U.S. Census Bureau

- **S&P 500 Index:** Market index data (public financial sources)

All datasets were cleaned, standardized, and aligned to a common calendar for analysis.

Methodology

- All indicators were aligned to a shared calendar table to ensure consistent time-based analysis

- Year-over-Year (YoY) and Month-over-Month (MoM) metrics were calculated using DAX measures

- Indicator-specific conditional formatting was applied to highlight positive and negative movements

- Decomposition Trees were used to explore relationships between macroeconomic indicators

- An **Economic Index** was created using a weighted composite of key indicators to summarize overall economic conditions

- Visuals were designed to emphasize trends, volatility, and relative performance across indicators

Notes & Limitations

- Economic indicators are reported at different frequencies (monthly, quarterly) and were standardized where appropriate

- Market data reflects historical performance and does not imply future outcomes

- The Economic Index is an analytical tool and not an official economic measure

- Relationships shown are exploratory and do not imply causation