ARBOR DATA SCIENCE

Inflation Roundup

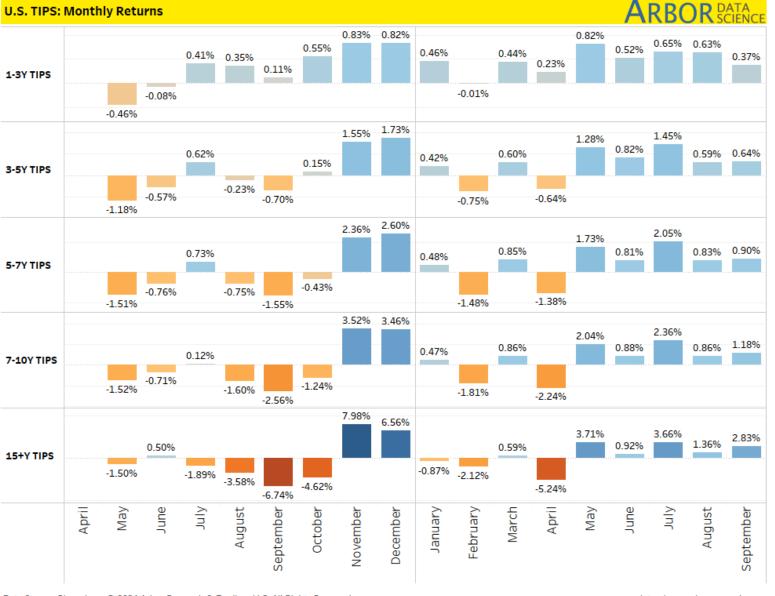
September 12, 2024

- Total Returns and Seasonality
- The State of Inflation
- Market-Based Expectations
- SPY Fund Flows
- Energy and Commodities
- Shelter Inflation





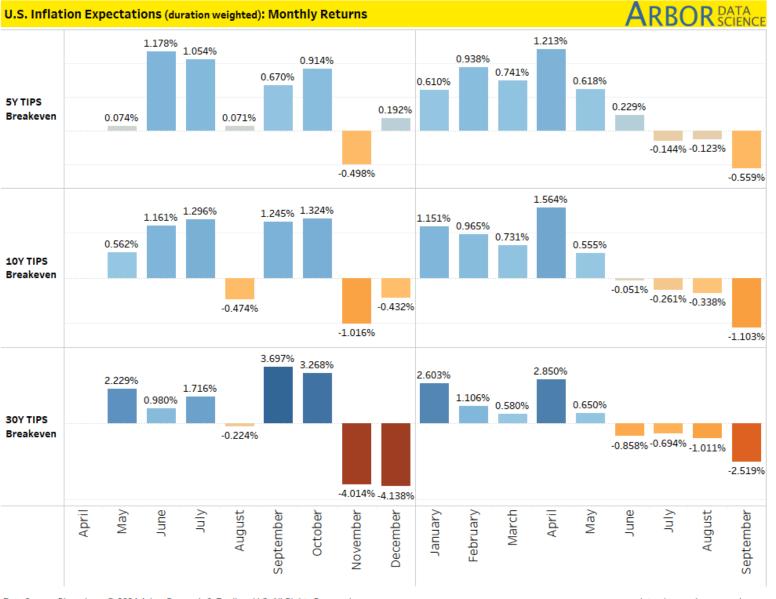
TIPS TOTAL RETURNS:



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TIPS BREAKEVENS TOTAL RETURNS:

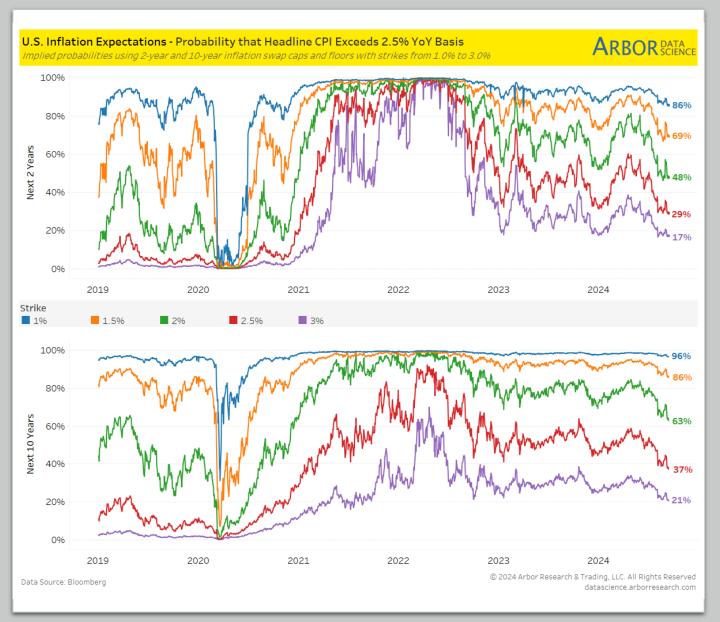


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U.S. Inflation Swap Caps and Floors

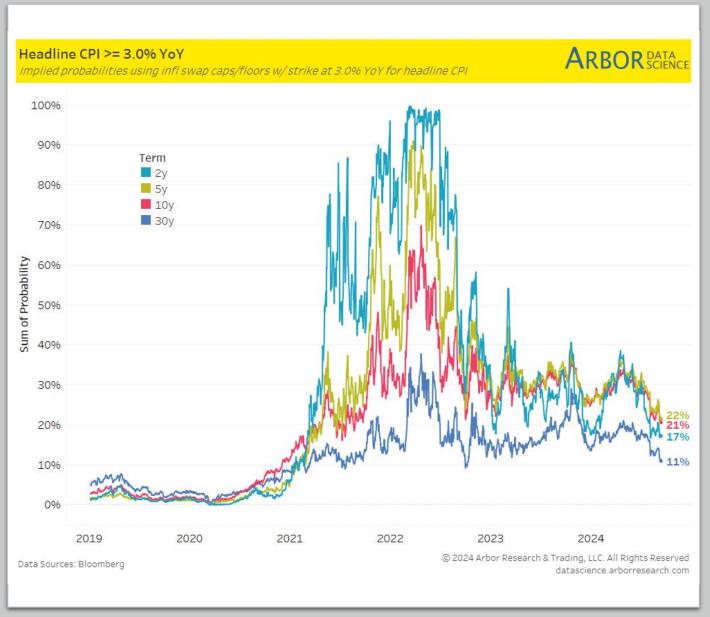
- Over the past week, inflation expectations for the next 2 years have all decreased, except for 3%, which stayed the same. 10-year expectations have all decreased.
- The probability of 2.5% headline inflation for the next 2 years decreased from 30% to 29% over the past week.
- The 10-year probability of 2.5% headline inflation decreased from 39% to 37% over the past week.



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U.S.3% Headline Expectations

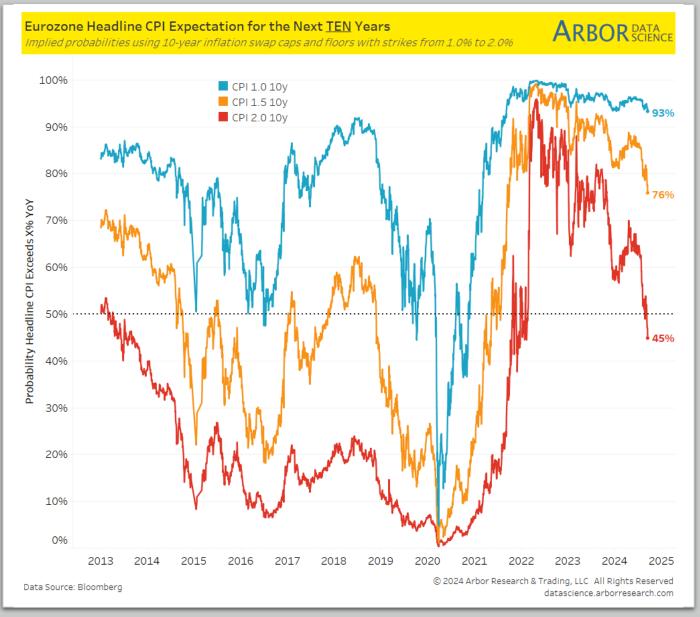
- 3% inflation probabilities all decreased over the past week, except for 2y, which stayed the same.
- Based on swap cap/floor probabilities for the next 2 years, the market gives this outcome a 17% probability.



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Eurozone Inflation Expectations

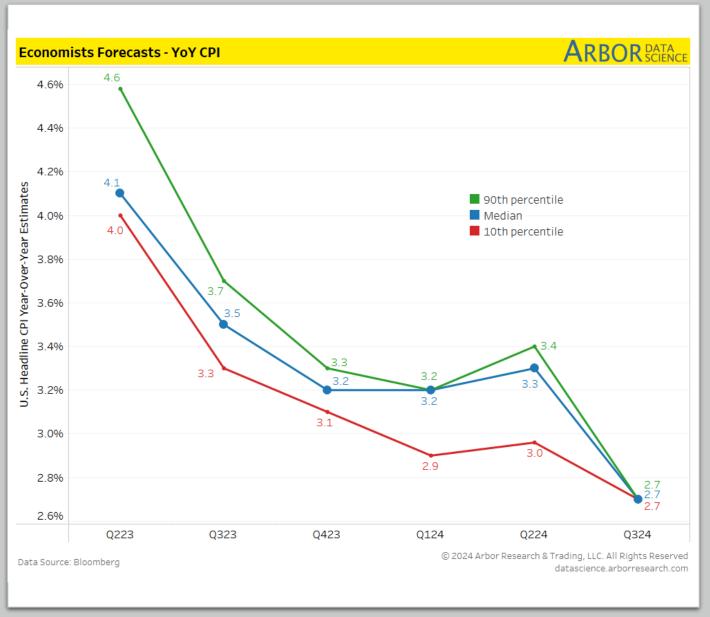
- 10-year Eurozone inflation expectations all decreased.
- The probability of 2% headline inflation over the next decade decreased to 45%.



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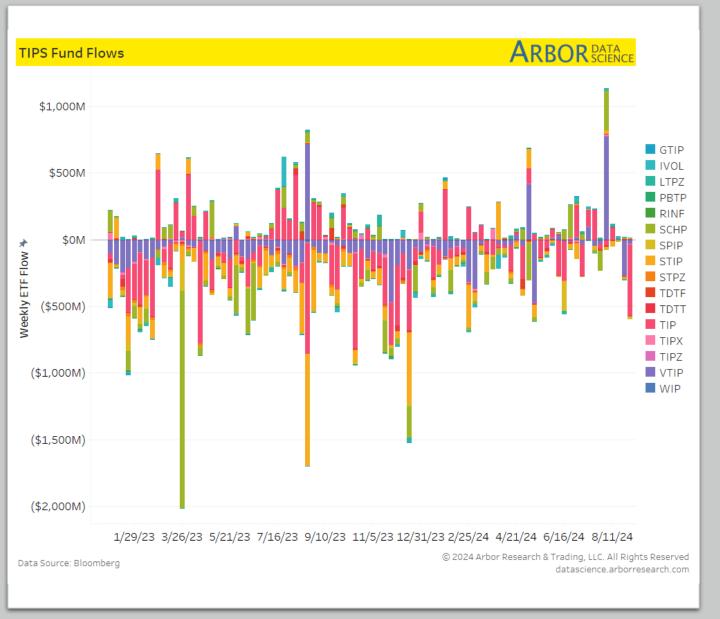
Economist Inflation Forecasts

- The median economist's forecast from big banks (BOA, PNC, JPM, UBS, etc.) suggests US inflation will average 2.7% YoY in Q3 2024. More pessimistic and optimistic estimates are also 2.7% YoY in Q3 2024.
- Final University of Michigan inflation expectations data showed Americans expect a 2.8% inflation rate over the next year.

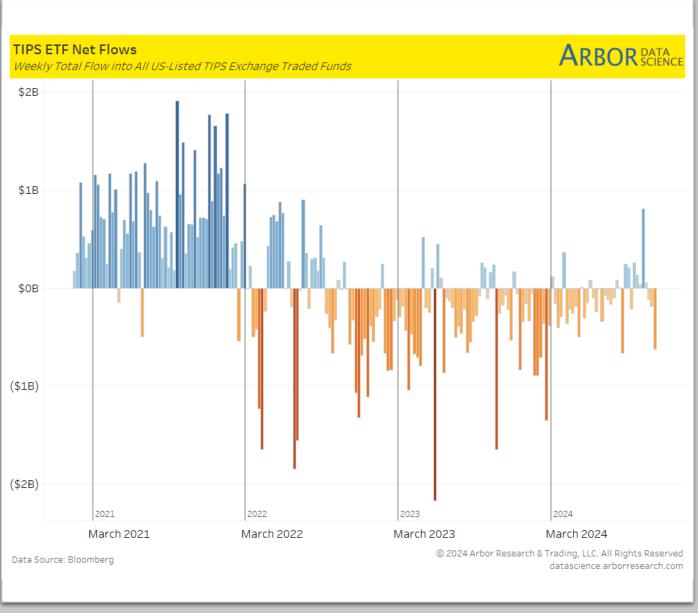


TIPS Fund Flows

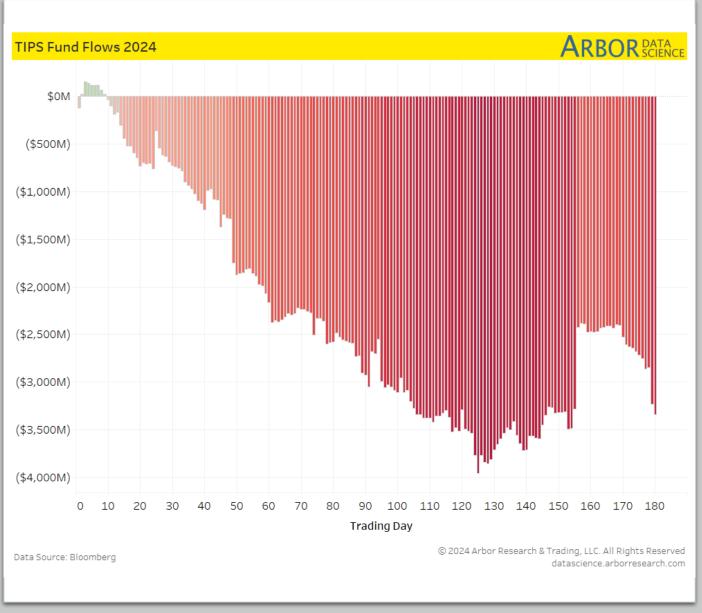
- The majority of flows last week were negative with outflows concentrated in three funds (rounded value):
- iShares TIPS Bond ETF: (\$536 million)
- Vanguard Sht-Term TIPS ETF: (\$35 million)
- SPDR Portfolio TIPS ETF: (\$18 million)



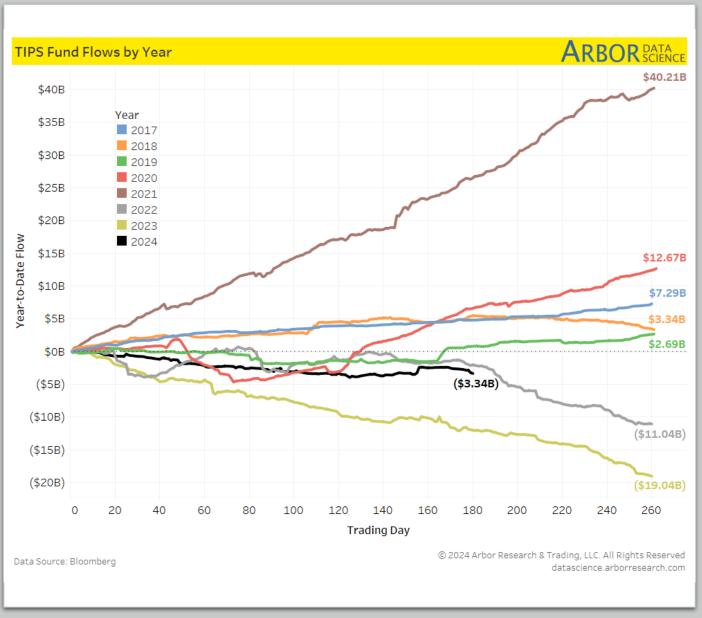
Last week's total flows for all US-listed TIPS ETFs had outflows of \$625.46 million.



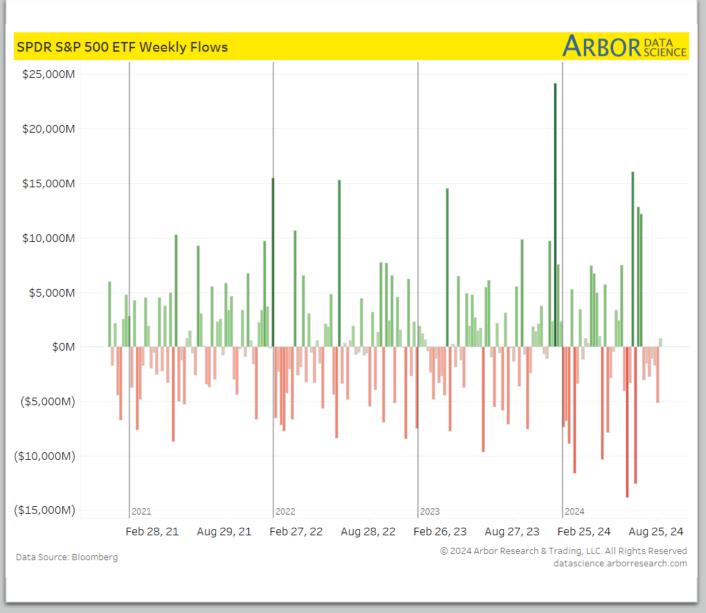
2024 Year-to-date total flows for all US-listed TIPS ETFs had outflows of \$3.34 billion.



Year-to-date total flows for all US-listed TIPS ETFs.



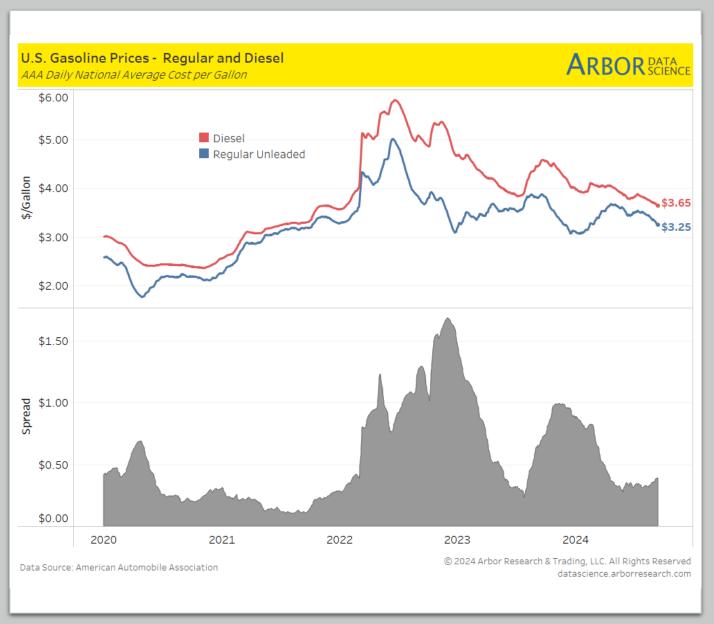
The SPY ETF had inflows of approximately \$786 million last week.



Brent Crude is Below \$80 a Barrel



Average Diesel/Gas Spread Rose to \$0.40



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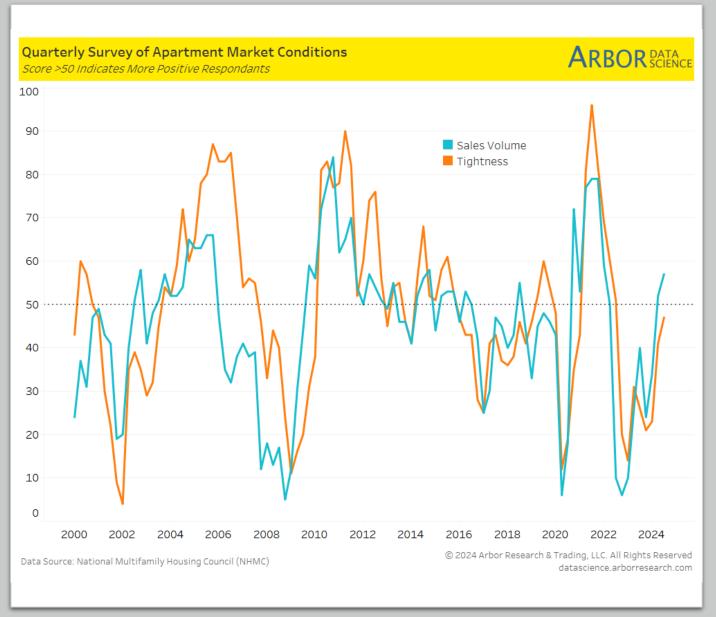
10-Year Global Breakevens



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Renters' Market Conditions

Q3 2024's Survey of Apartment
 Market Conditions conducted by
 the National Multifamily Housing
 Council (NMHC) showed fewer
 respondents describing conditions
 as tight in comparison to Q2 2024.
 The same survey reported an
 increase in apartment sales
 volume.



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