## Report Parameters

| | |
|---|---|
| **Regression Type** | Individual assets |
| **Regression Method** | OLS |
| **Factor Model** | FF-MKT-RF, FF-SMB5, FF-HML, FF-MOM, FF-RMW, FF-CMA |
| **Stock Market** | Intl Developed |
| **Regression Basis** | Monthly Returns |
| **Robust Regression** | No |

## Factor Regression

| Name | Ticker | Start Date | End Date | Factors | FF-MKT-RF | FF-SMB5 | FF-HML | FF-MOM | FF-RMW | FF-CMA | Annual Alpha | R^2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JPMorgan ETFs - Global Equity Multi-Factor ETF | JPMJPGL | Aug 2019 | Dec 2022 | coefficient | 0.96 | 0.06 | 0.20 | 0.09 | 0.36 | 0.21 | -3.58% | 98.3% |
| | | | | t-stat | 35.180 | 0.833 | 2.329 | 1.733 | 3.817 | 1.827 | -2.287 | |
| | | | | p-value | 0.000 | 0.411 | 0.026 | 0.092 | 0.001 | 0.076 | 0.029 | |

## Statistical Tests

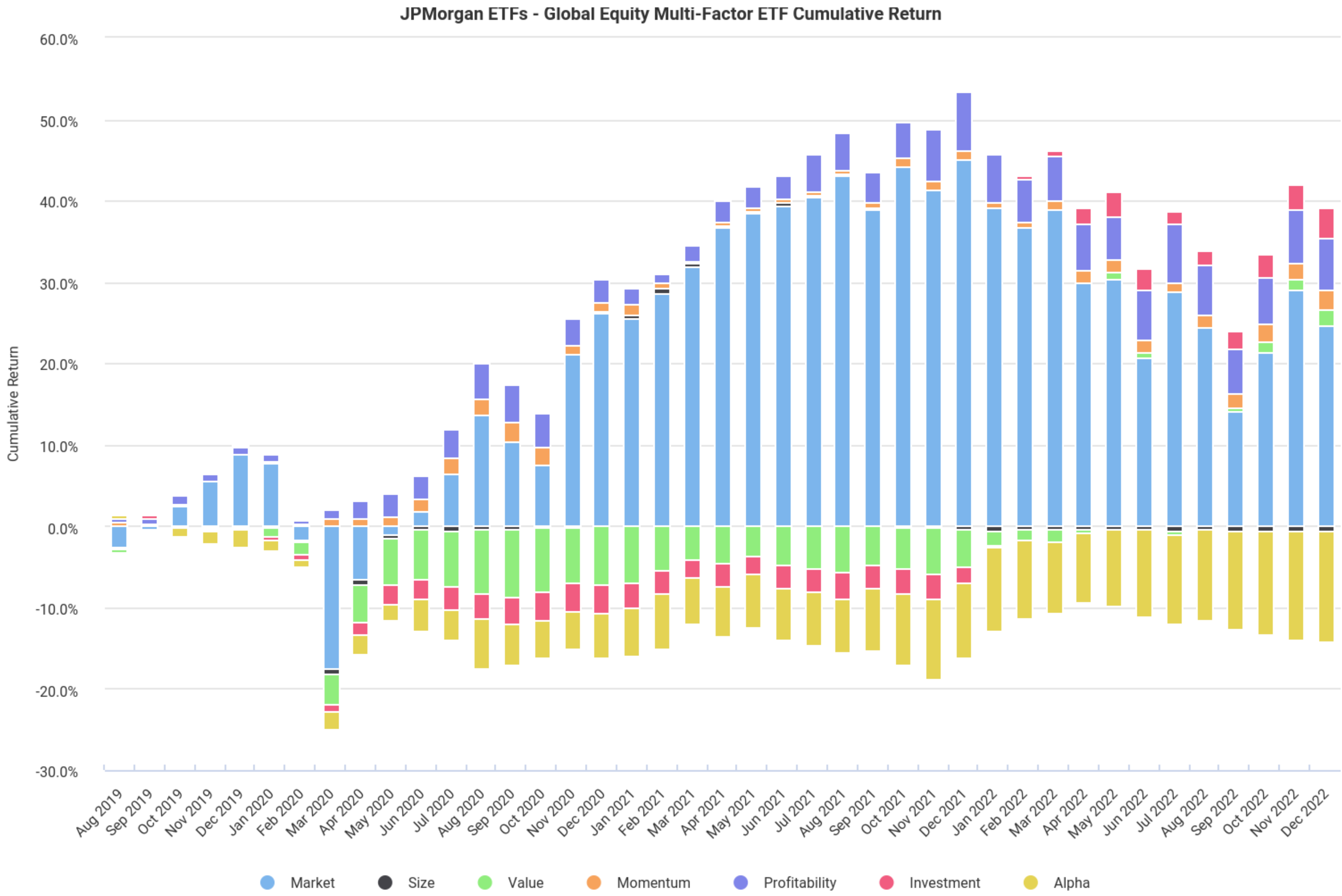
| Name | Ticker | F-stat | F-stat p-value | Autocorrelation | Heteroscedasticity |
|---|---|---|---|---|---|
| JPMorgan ETFs - Global Equity Multi-Factor ETF | JPMJPGL | 330.4 | 0.000 | No | No |

## Factor Performance Attribution in Basis Points

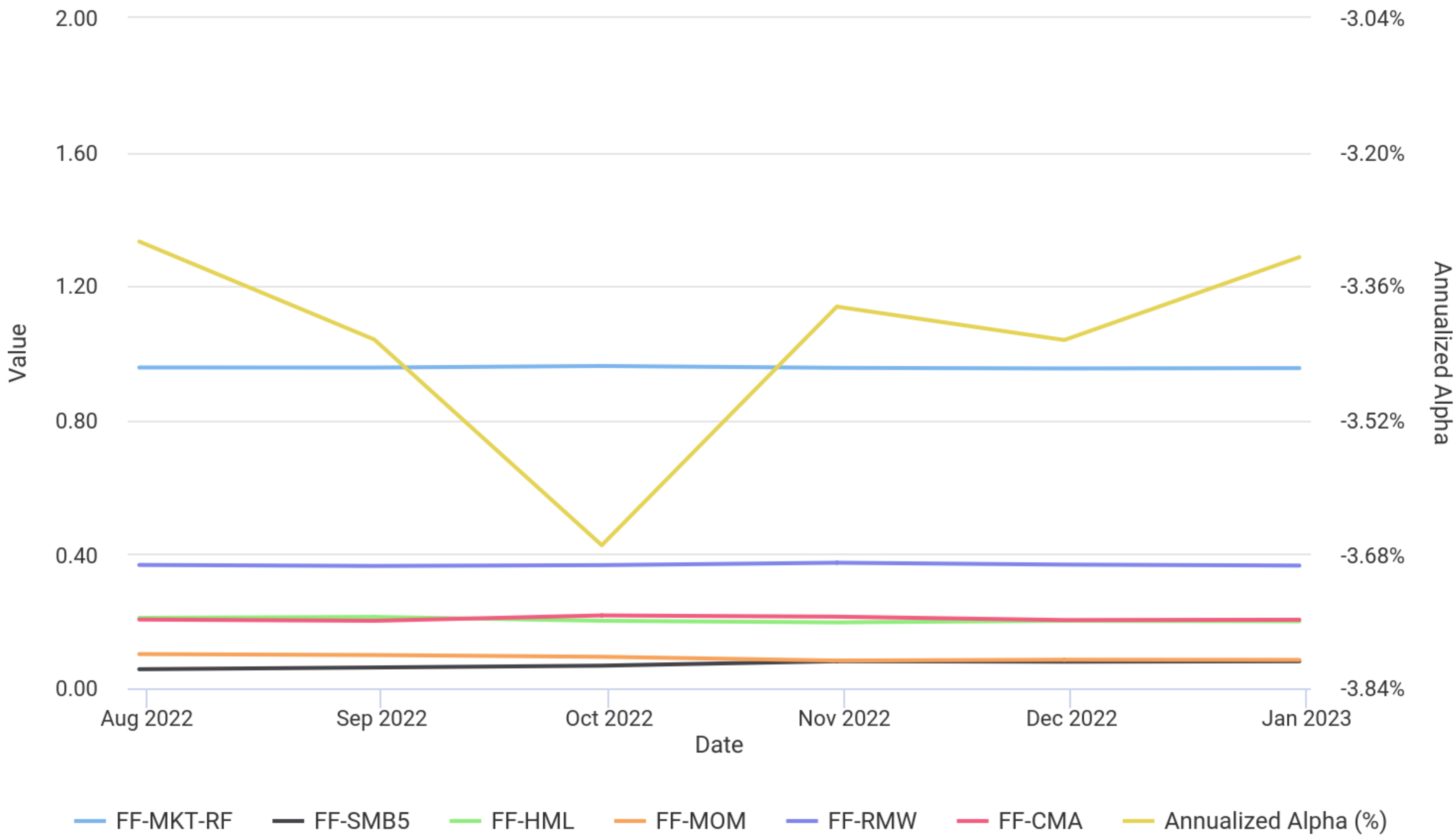
| Name | Ticker | Start Date | End Date | Annual Alpha | FF-MKT-RF | FF-SMB5 | FF-HML | FF-MOM | FF-RMW | FF-CMA | Total | R^2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JPMorgan ETFs - Global Equity Multi-Factor ETF | JPMJPGL | Aug 2019 | Dec 2022 | -3.58% | 61.85 | -0.98 | 4.41 | 4.75 | 14.22 | 8.32 | 62.70 | 98.31% |
| Factor Premiums (BPS) | | | | | 64.73 | -15.12 | 22.05 | 51.32 | 39.12 | 40.07 | | |

## Factor Based Risk and Return Attribution

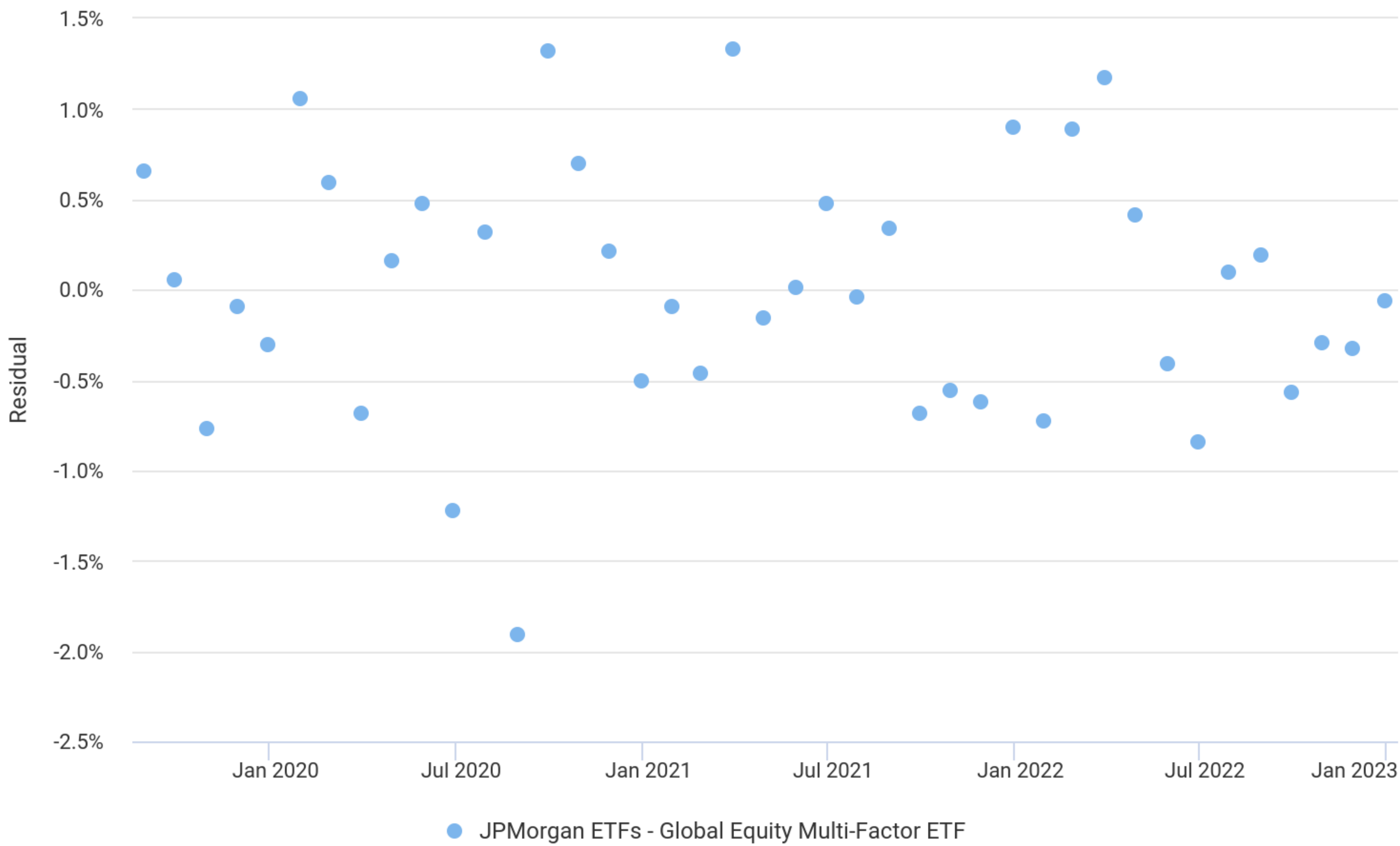
| Name | Start Date | End Date | Cum. Return | Ann. Return | Ann Stdev | Cumulative Return | | | | | | | Return Contribution | | | | | | | Risk Contribution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Market | SMB | HML | MOM | RMW | CMA | Alpha | Market | SMB | HML | MOM | RMW | CMA | Alpha | Market | SMB | HML | MOM | RMW | CMA | Alpha |
| JPMorgan ETFs - Global Equity Multi-Factor ETF | Aug 2019 | Dec 2022 | 25.0% | 6.7% | 18.7% | 24.7% | -0.5 | 1.9% | 2.3% | 6.4% | 3.9% | -13.7 | 46.3% | -0.9 | 3.6% | 4.4% | 11.9% | 7.2% | -25.7 | 97.3% | 0.5% | 1.4% | -2.6 | 2.6% | -0.9 | 1.7% |


JPMorgan ETFs - Global Equity Multi-Factor ETF Cumulative Return
Cumulative Return
60.0%
50.0%
40.0%
30.0%
20.0%
10.0%
0.0%
-10.0%
-20.0%
-30.0%
Aug 2019
Sep 2019
Oct 2019
Nov 2019
Dec 2019
Jan 2020
Feb 2020
Mar 2020
Apr 2020
May 2020
Jun 2020
Jul 2020
Aug 2020
Sep 2020
Oct 2020
Nov 2020
Dec 2020
Jan 2021
Feb 2021
Mar 2021
Apr 2021
May 2021
Jun 2021
Jul 2021
Aug 2021
Sep 2021
Oct 2021
Nov 2021
Dec 2021
Jan 2022
Feb 2022
Mar 2022
Apr 2022
May 2022
Jun 2022
Jul 2022
Aug 2022
Sep 2022
Oct 2022
Nov 2022
Dec 2022
Market
Size
Value
Momentum
Profitability
Investment
Alpha

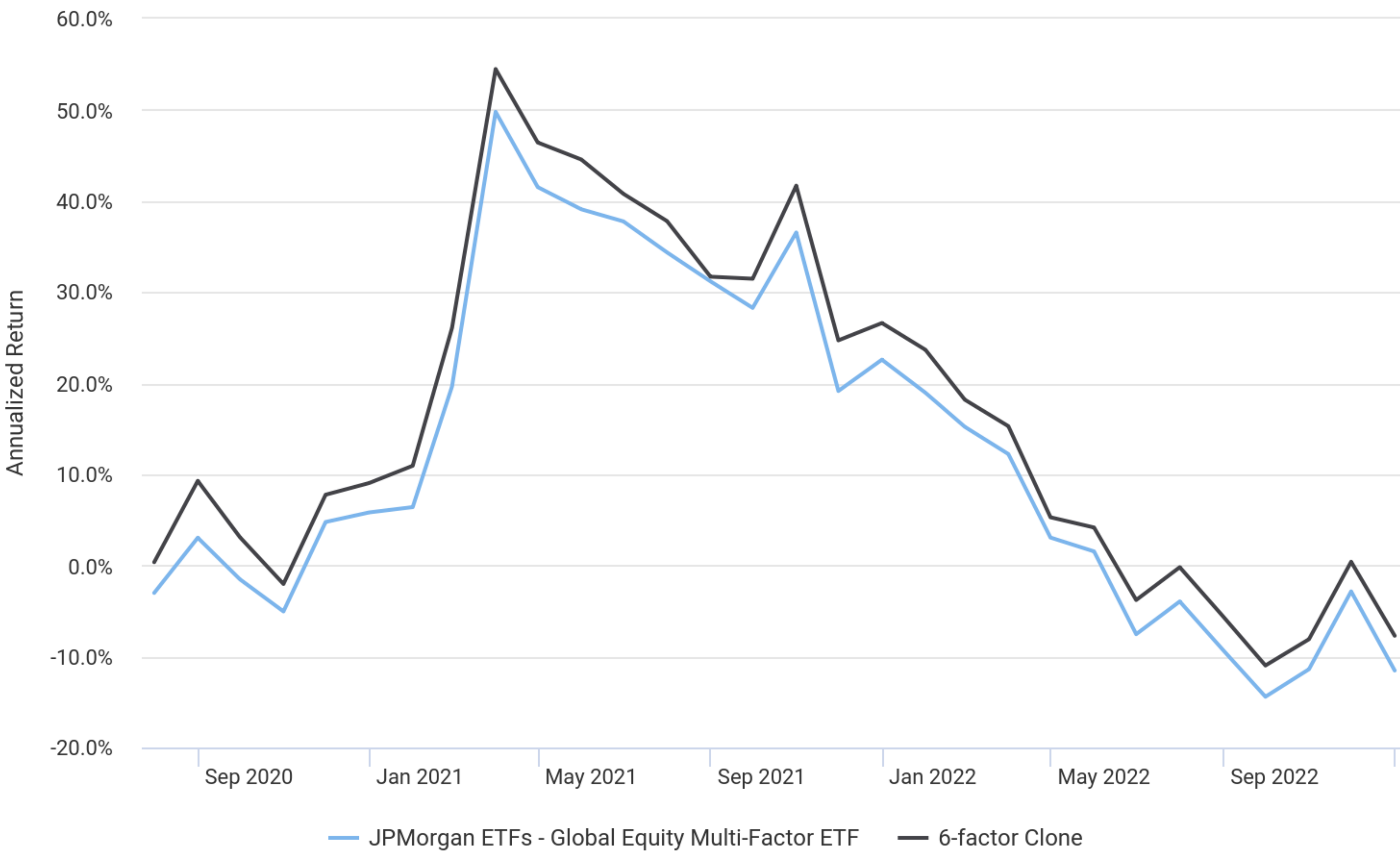
## JPMorgan ETFs - Global Equity Multi-Factor ETF - Rolling 36-month Regression Analysis



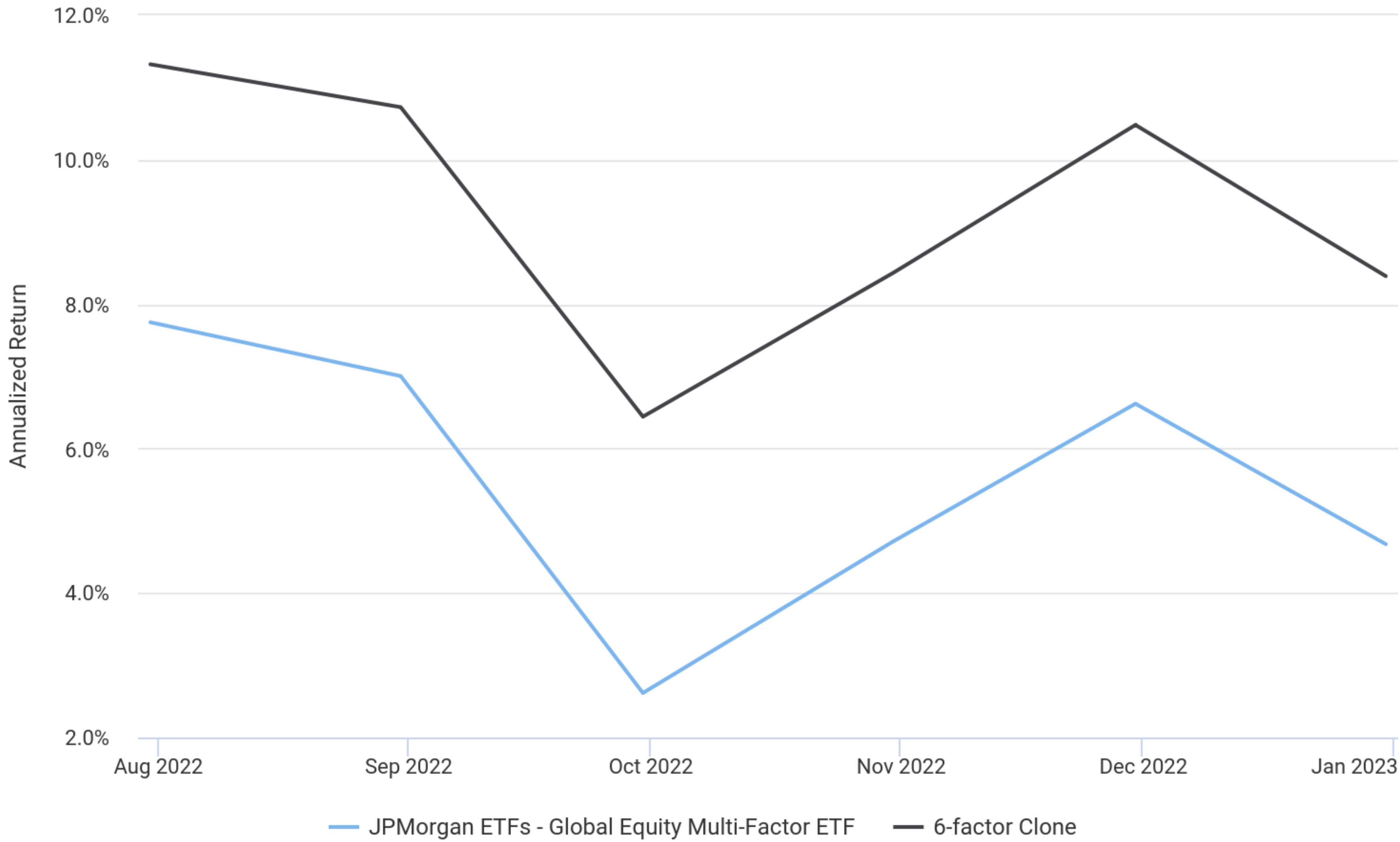
## Residuals Plot



## JPMorgan ETFs - Global Equity Multi-Factor ETF - 12-month Rolling Excess Return



## JPMorgan ETFs - Global Equity Multi-Factor ETF - 36-month Rolling Excess Return



**Notes:**

- IMPORTANT: The projections or other information generated by Portfolio Visualizer regarding the likelihood of various investment outcomes are hypothetical in nature, do not reflect actual investment results and are not guarantees of future results. Results may vary with each use and over time.
- The results do not constitute investment advice or recommendation, are provided solely for informational purposes, and are not an offer to buy or sell any securities. All use is subject to terms of service.
- Investing involves risk, including possible loss of principal. Past performance is not a guarantee of future results.
- Asset allocation and diversification strategies do not guarantee a profit or protect against a loss.
- Hypothetical returns do not reflect trading costs, transaction fees, commissions, or actual taxes due on investment returns.
- The results are based on information from a variety of sources we consider reliable, but we do not represent that the information is accurate or complete.
- Refer to the related documentation sections for more details on terms and definitions , methodology , and data sources.
- The results are based on the total return of assets and assume that all received dividends and distributions are reinvested.
- Refer to the documentation regarding the list of factor data sources and methodology descriptions.
- Results are based on multiple linear regression against monthly factor returns.