

ETF Playbook

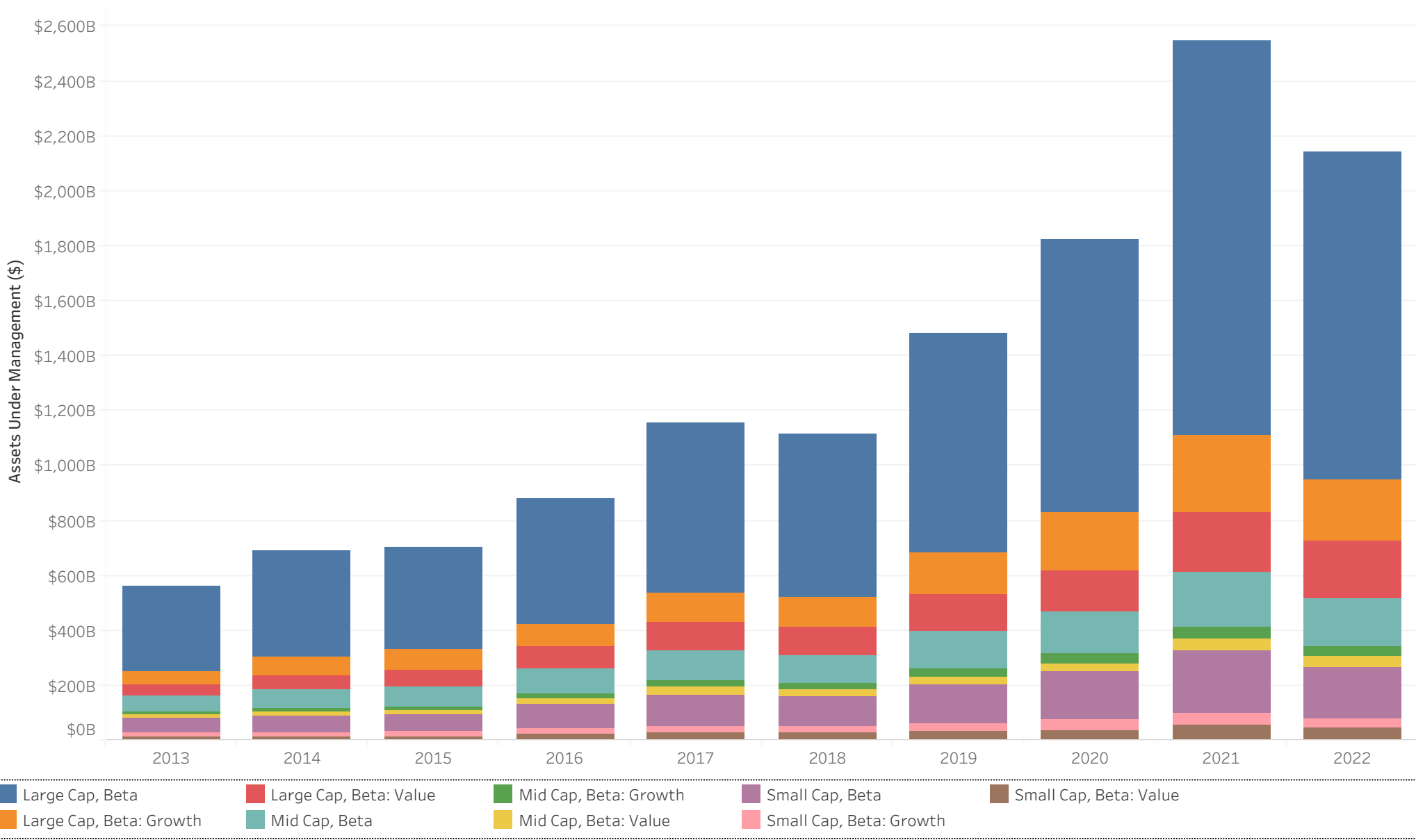
U.S. Size & Style
(Beta Strategies Only)



ETF
ACTION

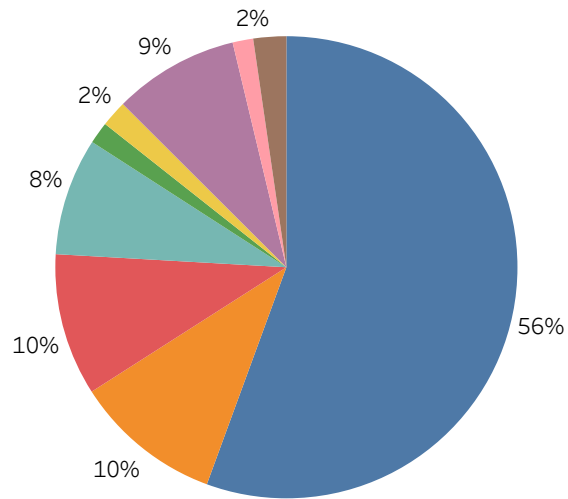
September 18, 2022

Annual AUM Growth



*Size & Style landscape data is represented by Sub-asset class Equity > Size & Style composite ETFs > U.S. market > Large, Mid, & Small Cap reach > Beta, Beta: Value, Beta: Growth strategies according to the ETF Action Classification System. Excludes inverse funds. **Flows delayed one day.

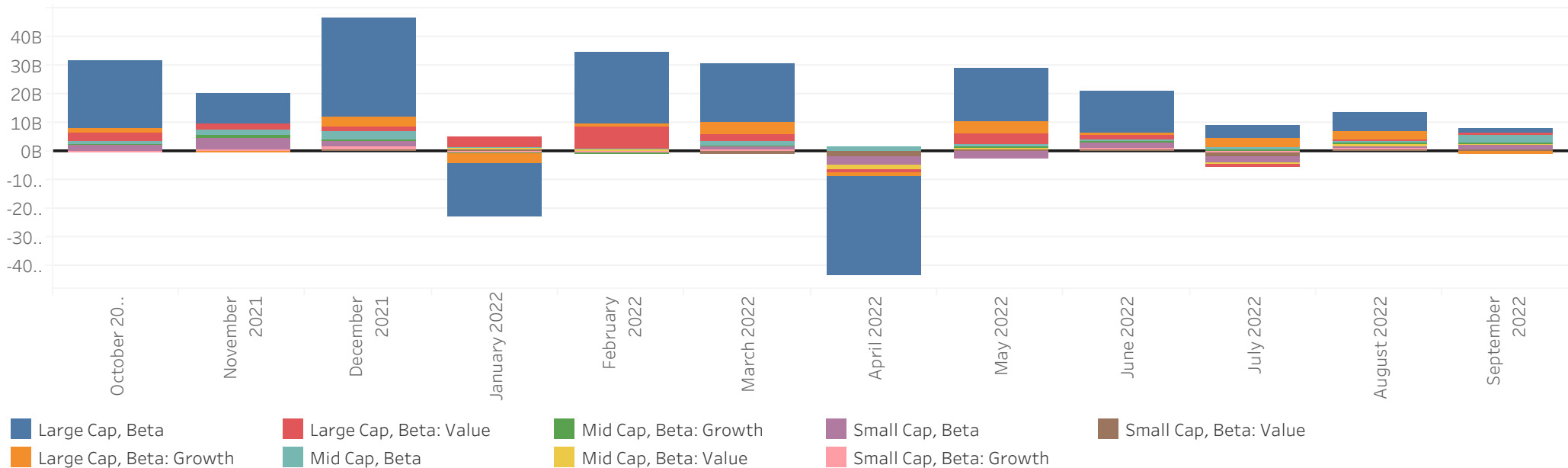
U.S. Size & Style AUM Makeup



Landscape Assets & Flows

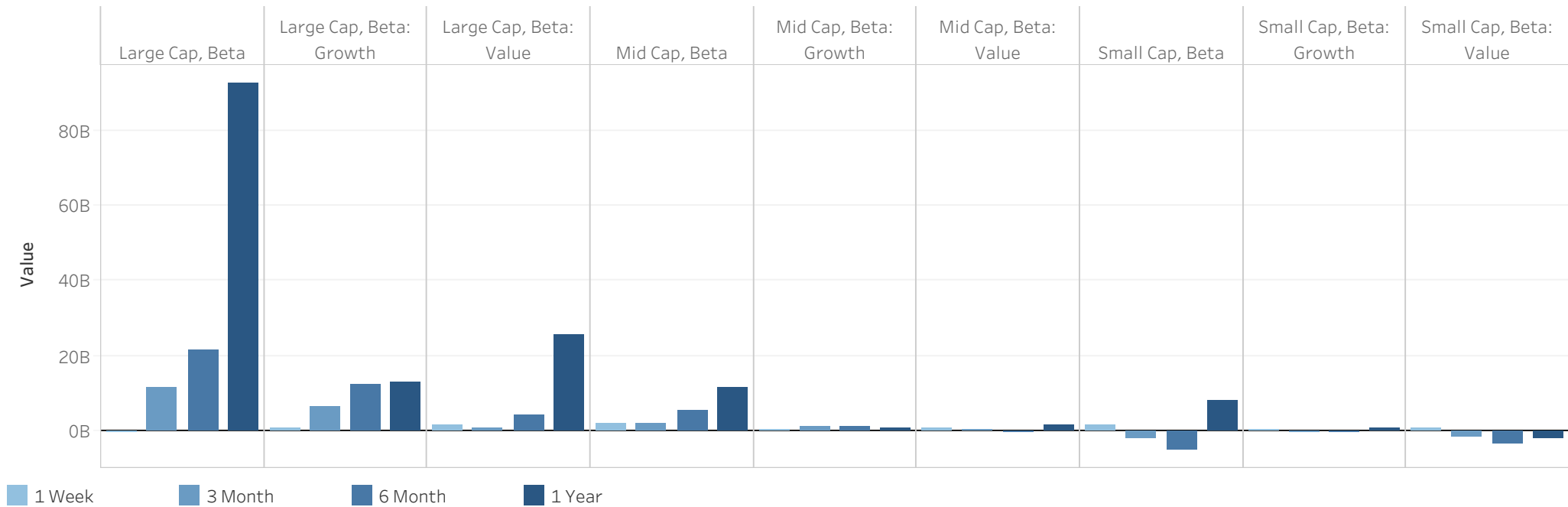
	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Large Cap, Beta	25	\$1,189,987M	\$84M	\$11,398M	\$21,259M	\$92,734M
Large Cap, Beta: Growth	10	\$221,693M	\$728M	\$6,425M	\$12,151M	\$13,023M
Large Cap, Beta: Value	11	\$212,941M	\$1,537M	\$721M	\$4,271M	\$25,738M
Mid Cap, Beta	10	\$175,793M	\$1,903M	\$2,060M	\$5,453M	\$11,293M
Mid Cap, Beta: Growth	6	\$32,677M	\$497M	\$956M	\$1,068M	\$752M
Mid Cap, Beta: Value	6	\$39,560M	\$565M	\$209M	\$105M	\$1,461M
Small Cap, Beta	13	\$187,989M	\$1,514M	(\$1,793M)	(\$5,102M)	\$7,959M
Small Cap, Beta: Growth	7	\$30,960M	\$169M	(\$230M)	\$79M	\$587M
Small Cap, Beta: Value	7	\$48,757M	\$888M	(\$1,552M)	(\$3,554M)	(\$1,811M)

Monthly Flows



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Flows by Time Frames Bar Chart



Weekly Flows Leaders

ETF	Description	AUM	1 Week
VOO	Vanguard S&P 500 ETF	\$272,753M	\$2,097M
VO	Vanguard Mid-Cap ETF	\$52,107M	\$1,530M
VB	Vanguard Small-Cap ETF	\$43,063M	\$1,195M
SCHA	Schwab U.S. Small-Cap ETF	\$13,871M	\$936M
VTV	Vanguard Value ETF	\$100,690M	\$879M
VBR	Vanguard Small Cap Value ETF	\$23,720M	\$844M
VUG	Vanguard Growth ETF	\$76,498M	\$762M
VOE	Vanguard Mid-Cap Value ETF	\$16,215M	\$449M
VOT	Vanguard Mid-Cap Growth ETF	\$10,183M	\$440M
QQQ	Invesco QQQ Trust	\$166,284M	\$364M

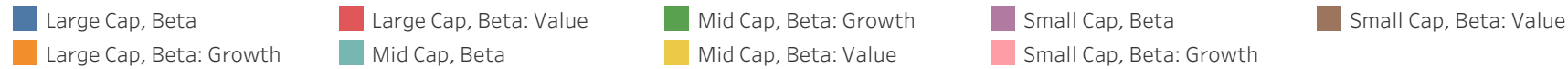
Weekly Flows Laggards

ETF	Description	AUM	1 Week
SPY	SPDR S&P 500 ETF Trust	\$369,982M	(\$2,150M)
IWM	iShares Russell 2000 ETF	\$54,033M	(\$443M)
IVV	iShares Core S&P 500 ETF	\$305,115M	(\$178M)
IWY	iShares Russell Top 200 Growth ETF	\$4,980M	(\$146M)
IWO	iShares Russell 2000 Growth ETF	\$9,699M	(\$78M)
IWR	iShares Russell Midcap ETF	\$28,329M	(\$39M)
IJS	iShares S&P Small-Cap 600 Value ETF	\$6,916M	(\$32M)
IJT	iShares S&P Small-Cap 600 Growth ETF	\$5,280M	(\$17M)
IVE	iShares S&P 500 Value ETF	\$24,148M	(\$15M)
IJJ	iShares S&P Mid-Cap 400 Value ETF	\$7,403M	(\$10M)

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Monthly Performance

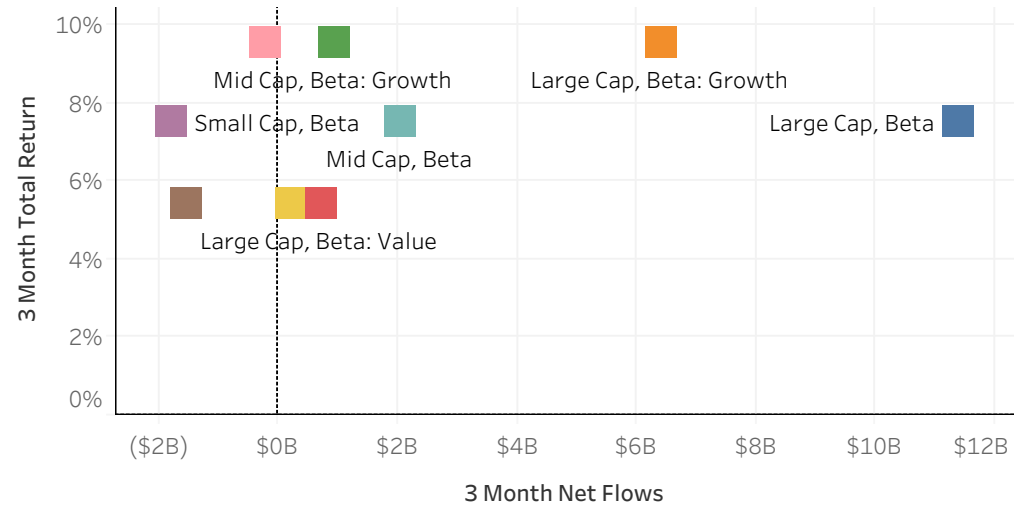
October 2021	November 2021	December 2021	January 2022	February 2022	March 2022	April 2022	May 2022	June 2022	July 2022	August 2022	MTD
8.75%	0.89%	6.43%	-1.97%	1.98%	4.30%	-5.31%	2.20%	-7.57%	12.67%	-2.77%	-1.23%
7.70%	-0.63%	6.12%	-3.56%	1.13%	3.48%	-6.01%	2.14%	-8.21%	12.28%	-2.80%	-1.68%
7.01%	-2.52%	4.34%	-4.76%	0.49%	3.12%	-6.80%	2.06%	-8.46%	11.54%	-2.89%	-1.86%
6.09%	-2.93%	4.27%	-6.34%	0.32%	2.79%	-7.54%	1.13%	-8.50%	10.36%	-3.03%	-2.16%
5.18%	-2.94%	3.48%	-7.34%	0.28%	1.82%	-8.68%	0.34%	-8.76%	10.28%	-3.06%	-2.24%
4.65%	-3.21%	3.41%	-8.28%	-0.17%	1.20%	-9.29%	-0.12%	-9.03%	9.55%	-3.40%	-2.67%
4.60%	-3.46%	2.72%	-8.67%	-1.36%	1.00%	-9.44%	-0.66%	-9.62%	9.24%	-3.49%	-2.74%
4.18%	-3.65%	2.63%	-11.43%	-2.85%	0.92%	-10.73%	-1.85%	-9.76%	8.63%	-3.69%	-2.80%
3.45%	-3.95%	2.02%	-11.84%	-4.42%	0.62%	-12.73%	-2.13%	-10.10%	6.05%	-5.11%	-2.85%



Performance

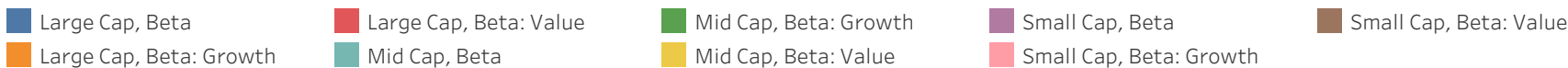
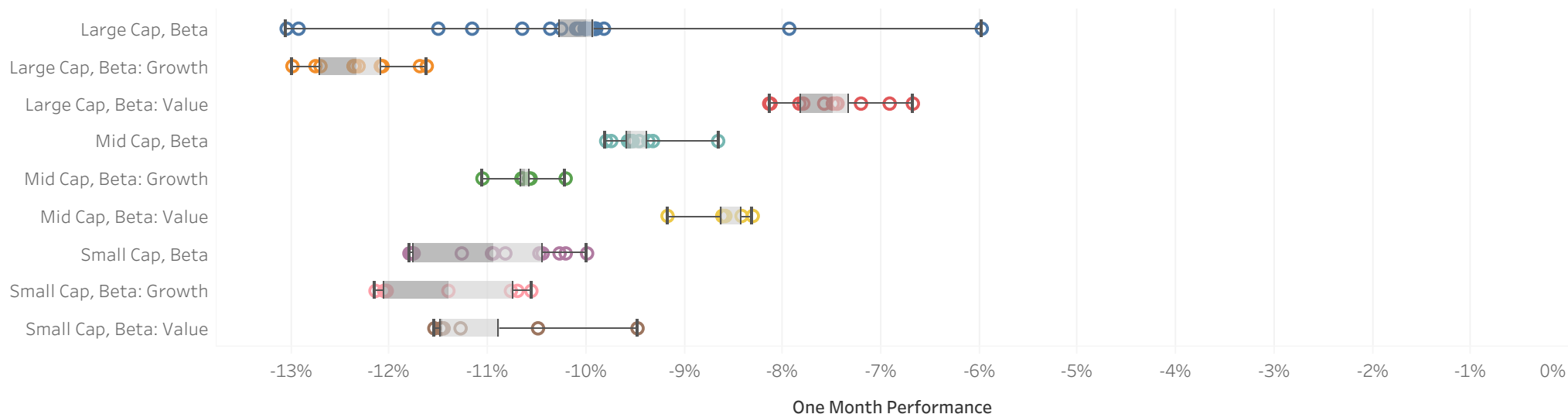
	1 Month	3 Month	YTD	1 Year
Large Cap, Beta	-10.13%	6.27%	-20.06%	-15.43%
Large Cap, Beta: Growth	-12.30%	8.00%	-25.87%	-21.33%
Large Cap, Beta: Value	-7.52%	4.43%	-10.21%	-4.41%
Mid Cap, Beta	-9.46%	8.49%	-16.81%	-13.17%
Mid Cap, Beta: Growth	-10.62%	10.21%	-23.22%	-21.10%
Mid Cap, Beta: Value	-8.62%	6.77%	-10.76%	-4.87%
Small Cap, Beta	-10.96%	7.80%	-18.14%	-15.84%
Small Cap, Beta: Growth	-11.38%	10.47%	-23.24%	-22.58%
Small Cap, Beta: Value	-11.03%	5.04%	-13.25%	-8.45%

3 Month Total Return vs Net Flows



*Size & Style performance calculated as averages. Landscape data is represented by Sub-asset class Equity > Size & Style composite ETFs > U.S. market > Large, Mid, & Small Cap reach > Beta, Beta: Value, Beta: Growth strategies according to the ETF Action Classification System. Excludes leverage & inverse funds. **Flows delayed one day.

One Month Performance Ranges - Box & Whisker Plot



One Month Performance Leaders

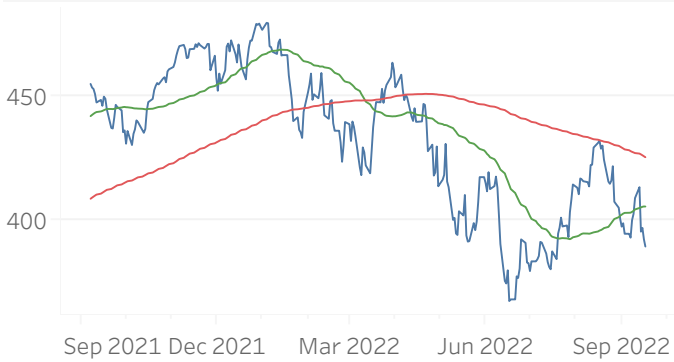
ETF Ticker	ETF Name	1 Month Return	YTD Return
FLDZ	RiverNorth Patriot ETF	-5.98%	
MGV	Vanguard Mega Cap Value ETF	-6.68%	-8.21%
VTV	Vanguard Value ETF	-6.92%	-8.17%
AVLV	Avantis U.S. Large Cap Value ETF	-7.21%	-10.64%
VOOV	Vanguard S&P 500 Value ETF	-7.45%	-10.02%
IVE	iShares S&P 500 Value ETF	-7.46%	-10.04%
SPYV	SPDR Portfolio S&P 500 Value ETF	-7.49%	-10.01%
IWX	iShares Russell Top 200 Value ETF	-7.58%	-9.85%
SCHV	Schwab U.S. Large-Cap Value ETF	-7.79%	-12.15%
ILCV	iShares Morningstar Value ETF	-7.83%	-10.97%

One Month Performance Laggards

ETF Ticker	ETF Name	1 Mo	YTD
QQQM	Invesco NASDAQ 100 ETF	-13.05%	-27.06%
MGK	Vanguard Mega Cap Growth ETF	-12.99%	-27.28%
QQQ	Invesco QQQ Trust	-12.93%	-27.05%
VUG	Vanguard Growth ETF	-12.76%	-27.47%
SCHG	Schwab U.S. Large-Cap Growth ETF	-12.71%	-26.16%
IVW	iShares S&P 500 Growth ETF	-12.37%	-24.99%
SPYG	SPDR Portfolio S&P 500 Growth ETF	-12.36%	-24.90%
VOOG	Vanguard S&P 500 Growth ETF	-12.32%	-24.93%
IJT	iShares S&P Small-Cap 600 Growth ETF	-12.15%	-21.60%
IWY	iShares Russell Top 200 Growth ETF	-12.09%	-25.26%

*Sector landscape data is represented by Sub-asset class Equity > Sector composite ETFs > U.S. market according to the ETF Action Classification System. Excludes leverage & inverse funds.

Large Cap Blend (S&P 500) IVV



Large Cap Growth (S&P 500) IVW



Large Cap Value (S&P 500) IVE



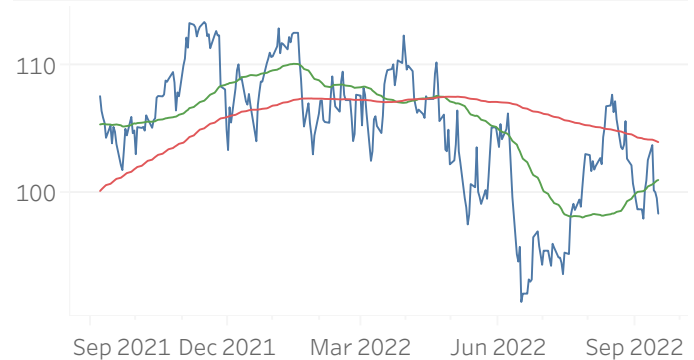
Mid Cap Blend (S&P 400) IJH



Mid Cap Growth (S&P 400) IJK



Mid Cap Value (S&P 400) IJJ



Small Cap Blend (S&P 600) IJR



Small Cap Growth (S&P 600) IJT



Small Cap Value (S&P 600) IJS



■ Closing Price
 ■ 50 Day Moving Average
 ■ 200 Day Moving Average

*Sector ETFs chosen for illustrative purposes only. Sector price charts represented by the Select Sector SPDR ETFs.

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