

ETF Playbook

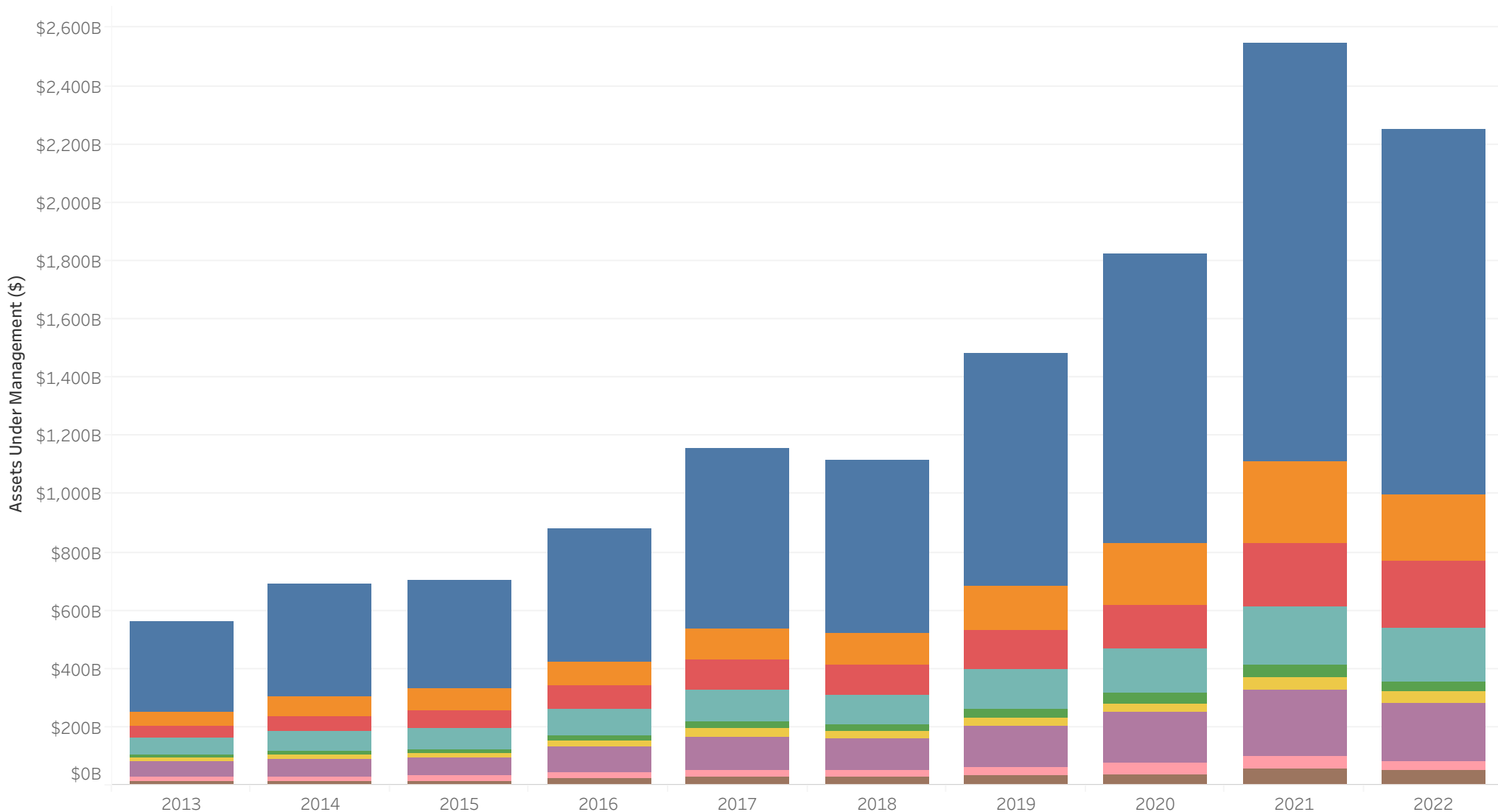
U.S. Size & Style
(Beta Strategies Only)



ETF
ACTION

November 26, 2022

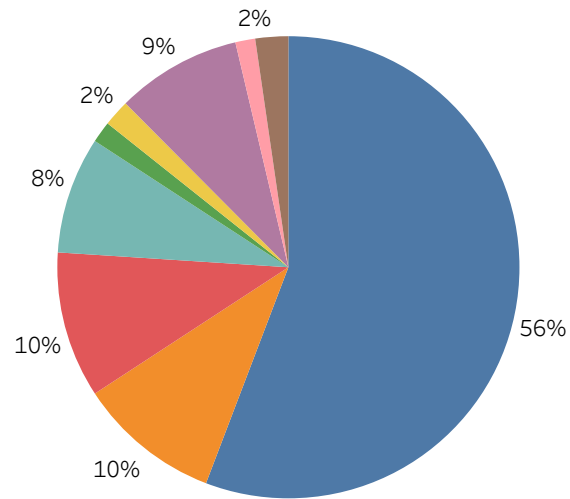
Annual AUM Growth



■ Large Cap, Beta
 ■ Large Cap, Beta: Value
 ■ Mid Cap, Beta: Growth
 ■ Small Cap, Beta
 ■ Small Cap, Beta: Value
■ Large Cap, Beta: Growth
 ■ Mid Cap, Beta
 ■ Mid Cap, Beta: Value
 ■ Small Cap, Beta: 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.

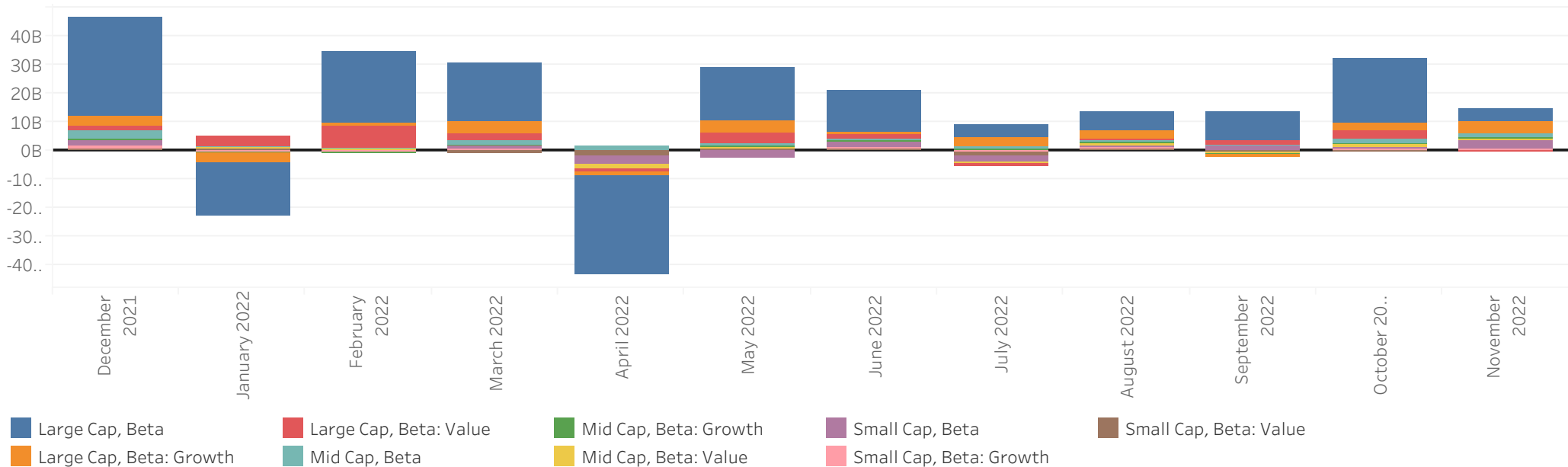
U.S. Size & Style AUM Makeup



Landscape Assets & Flows

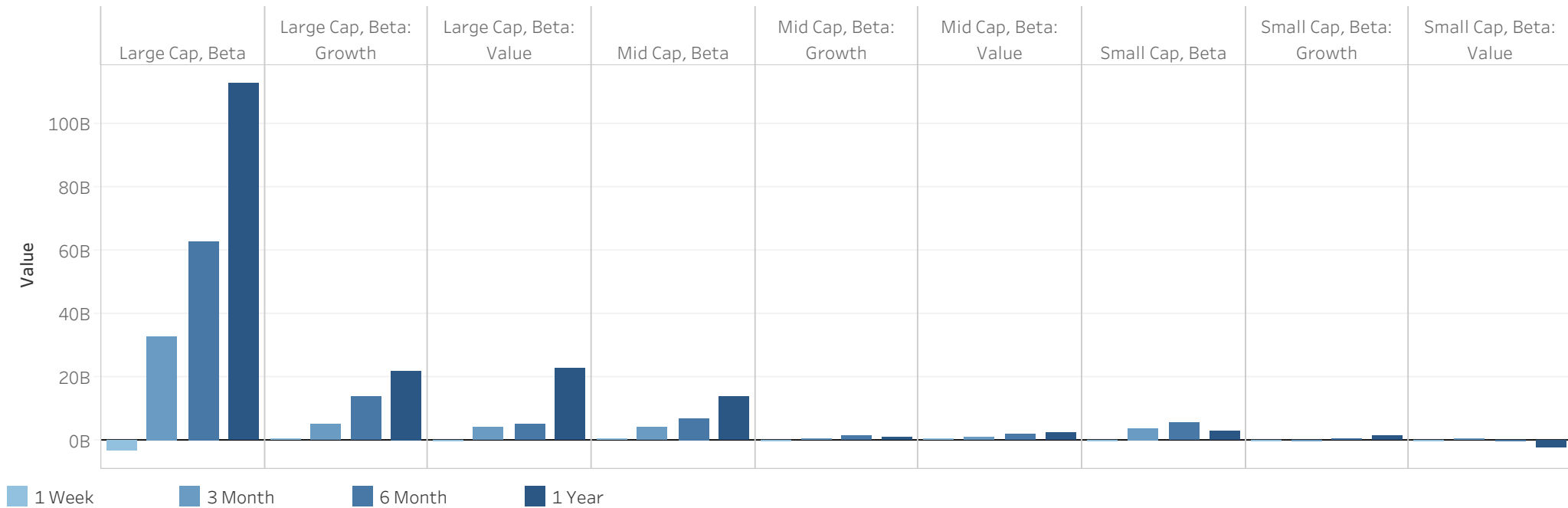
	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Large Cap, Beta	25	\$1,257,312M	(\$3,242M)	\$32,761M	\$62,710M	\$112,913M
Large Cap, Beta: Growth	10	\$225,260M	\$662M	\$4,894M	\$13,491M	\$21,850M
Large Cap, Beta: Value	11	\$230,146M	\$244M	\$4,019M	\$5,064M	\$22,938M
Mid Cap, Beta	10	\$184,559M	\$388M	\$3,924M	\$6,677M	\$13,575M
Mid Cap, Beta: Growth	6	\$33,355M	(\$18M)	\$425M	\$1,320M	\$778M
Mid Cap, Beta: Value	6	\$42,132M	\$457M	\$1,134M	\$1,789M	\$2,158M
Small Cap, Beta	13	\$197,215M	\$141M	\$3,811M	\$5,504M	\$2,706M
Small Cap, Beta: Growth	7	\$31,460M	\$49M	\$85M	\$560M	\$1,473M
Small Cap, Beta: Value	7	\$51,375M	\$28M	\$430M	(\$300M)	(\$2,298M)

Monthly Flows



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Flows by Time Frames Bar Chart



Weekly Flows Leaders

ETF	Description	AUM	1 Week
SPY	SPDR S&P 500 ETF Trust	\$377,257M	\$716M
IJJ	iShares S&P Mid-Cap 400 Value ETF	\$7,440M	\$327M
IWF	iShares Russell 1000 Growth ETF	\$60,443M	\$289M
VUG	Vanguard Growth ETF	\$71,705M	\$252M
IJH	iShares Core S&P Mid-Cap ETF	\$65,117M	\$251M
IVE	iShares S&P 500 Value ETF	\$24,867M	\$248M
VONG	Vanguard Russell 1000 Growth ETF	\$8,901M	\$202M
SPLG	SPDR Portfolio S&P 500 ETF	\$15,273M	\$140M
IWS	iShares Russell Mid-Cap Value ETF	\$13,325M	\$127M
IVV	iShares Core S&P 500 ETF	\$302,188M	\$120M

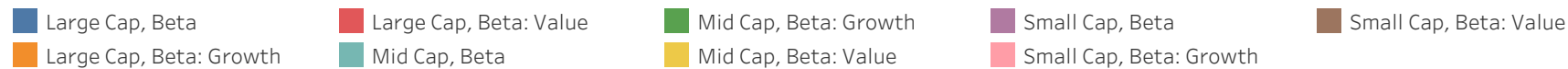
Weekly Flows Laggards

ETF	Description	AUM	1 Week
VOO	Vanguard S&P 500 ETF	\$274,361M	(\$4,095M)
VTV	Vanguard Value ETF	\$103,880M	(\$167M)
QQQ	Invesco QQQ Trust	\$161,228M	(\$156M)
VTWO	Vanguard Russell 2000 ETF	\$5,724M	(\$135M)
MGK	Vanguard Mega Cap Growth ETF	\$10,137M	(\$97M)
IVW	iShares S&P 500 Growth ETF	\$29,599M	(\$96M)
SCHM	Schwab U.S. Mid-Cap ETF	\$9,493M	(\$37M)
QQQJ	Invesco NASDAQ Next Gen 100 ETF	\$796M	(\$33M)
SCHV	Schwab U.S. Large-Cap Value ETF	\$10,048M	(\$31M)
IWN	iShares Russell 2000 Value ETF	\$12,399M	(\$29M)

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Monthly Performance

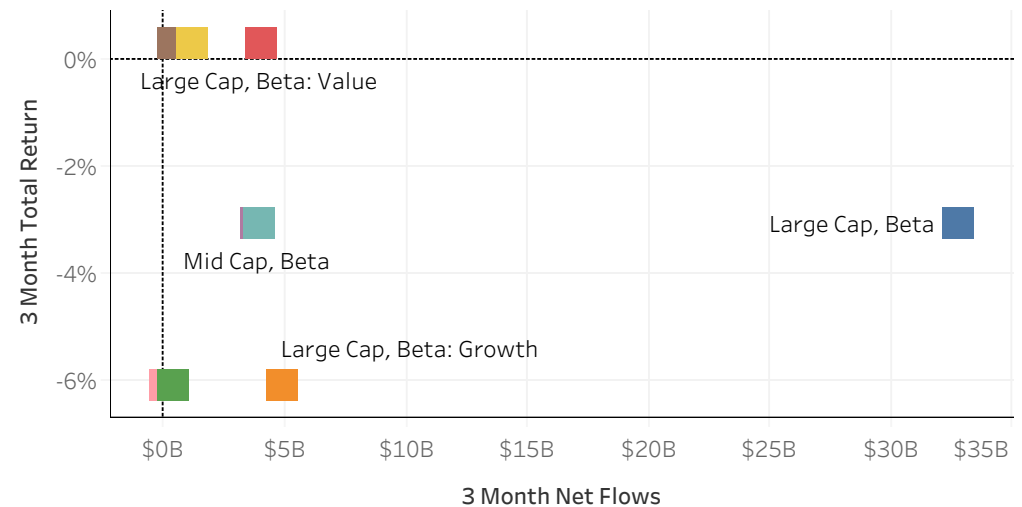
December 2021	January 2022	February 2022	March 2022	April 2022	May 2022	June 2022	July 2022	August 2022	September 2022	October 2022	MTD
6.43%	-1.97%	1.98%	4.30%	-5.31%	2.20%	-7.57%	12.67%	-2.77%	-8.36%	13.40%	5.64%
6.12%	-3.56%	1.13%	3.48%	-6.01%	2.14%	-8.21%	12.28%	-2.80%	-8.98%	11.26%	5.29%
4.34%	-4.76%	0.49%	3.12%	-6.80%	2.06%	-8.46%	11.54%	-2.89%	-9.02%	11.22%	5.07%
4.27%	-6.34%	0.32%	2.79%	-7.54%	1.13%	-8.50%	10.36%	-3.03%	-9.05%	10.72%	4.47%
3.48%	-7.34%	0.28%	1.82%	-8.68%	0.34%	-8.76%	10.28%	-3.06%	-9.40%	9.41%	3.98%
3.41%	-8.28%	-0.17%	1.20%	-9.29%	-0.12%	-9.03%	9.55%	-3.40%	-9.59%	9.16%	3.11%
2.72%	-8.67%	-1.36%	1.00%	-9.44%	-0.66%	-9.62%	9.24%	-3.49%	-9.72%	8.27%	2.78%
2.63%	-11.43%	-2.85%	0.92%	-10.73%	-1.85%	-9.76%	8.63%	-3.69%	-10.00%	6.70%	2.70%
2.02%	-11.84%	-4.42%	0.62%	-12.73%	-2.13%	-10.10%	6.05%	-5.11%	-10.30%	4.72%	1.85%



Performance

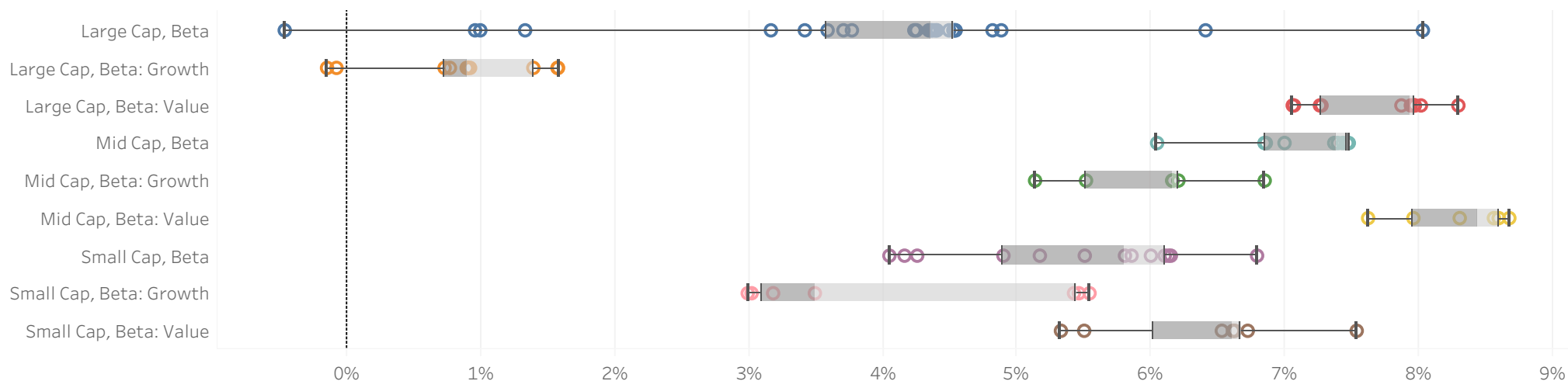
	1 Month	3 Month	YTD	1 Year
Large Cap, Beta	3.92%	-4.49%	-17.42%	-16.75%
Large Cap, Beta: Growth	0.85%	-9.68%	-26.14%	-25.94%
Large Cap, Beta: Value	7.70%	2.02%	-2.40%	-0.36%
Mid Cap, Beta	7.13%	-1.63%	-11.69%	-12.37%
Mid Cap, Beta: Growth	6.00%	-3.28%	-19.18%	-20.12%
Mid Cap, Beta: Value	8.28%	0.27%	-4.02%	-4.09%
Small Cap, Beta	5.45%	-3.04%	-13.33%	-15.50%
Small Cap, Beta: Growth	4.16%	-5.25%	-20.09%	-21.98%
Small Cap, Beta: Value	6.41%	-1.40%	-6.46%	-8.79%

3 Month Total Return vs Net Flows

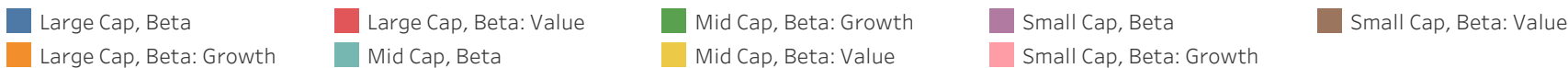


*Size & Style performance calculated as averages. Landscape data is represented by Sub-asset class Equity > Size & Style composite ETFs > U.S. market > Large, Mid, & Small Cap reach > Beta, Beta: Value, Beta: Growth strategies according to the ETF Action Classification System. Excludes leverage & inverse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

One Month Performance Ranges - Box & Whisker Plot



One Month Performance



One Month Performance Leaders

		1 Month Return	YTD Return
IJJ	iShares S&P Mid-Cap 400 Value ETF	8.67%	-2.71%
IVOV	Vanguard S&P Mid-Cap 400 Value ETF	8.59%	-2.77%
MDYV	SPDR S&P 400 Mid Cap Value ETF	8.56%	-2.83%
VOE	Vanguard Mid-Cap Value ETF	8.30%	-4.37%
SCHV	Schwab U.S. Large-Cap Value ETF	8.29%	-4.56%
FLDZ	RiverNorth Patriot ETF	8.03%	
MGV	Vanguard Mega Cap Value ETF	8.01%	1.05%
IVE	iShares S&P 500 Value ETF	7.97%	-2.29%
VOOV	Vanguard S&P 500 Value ETF	7.97%	-2.25%
SPYV	SPDR Portfolio S&P 500 Value ETF	7.96%	-2.20%

One Month Performance Laggards

		1 Mo	YTD
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	-0.47%	
SCHG	Schwab U.S. Large-Cap Growth ETF	-0.15%	-27.19%
MGK	Vanguard Mega Cap Growth ETF	-0.08%	-28.50%
VUG	Vanguard Growth ETF	0.73%	-28.34%
IWY	iShares Russell Top 200 Growth ETF	0.77%	-25.20%
IVW	iShares S&P 500 Growth ETF	0.89%	-25.13%
SPYG	SPDR Portfolio S&P 500 Growth ETF	0.90%	-25.02%
VOOG	Vanguard S&P 500 Growth ETF	0.92%	-25.09%
QQQ	Invesco QQQ Trust	0.95%	-27.53%
QQQM	Invesco NASDAQ 100 ETF	0.99%	-27.45%

*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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