

ETF Playbook

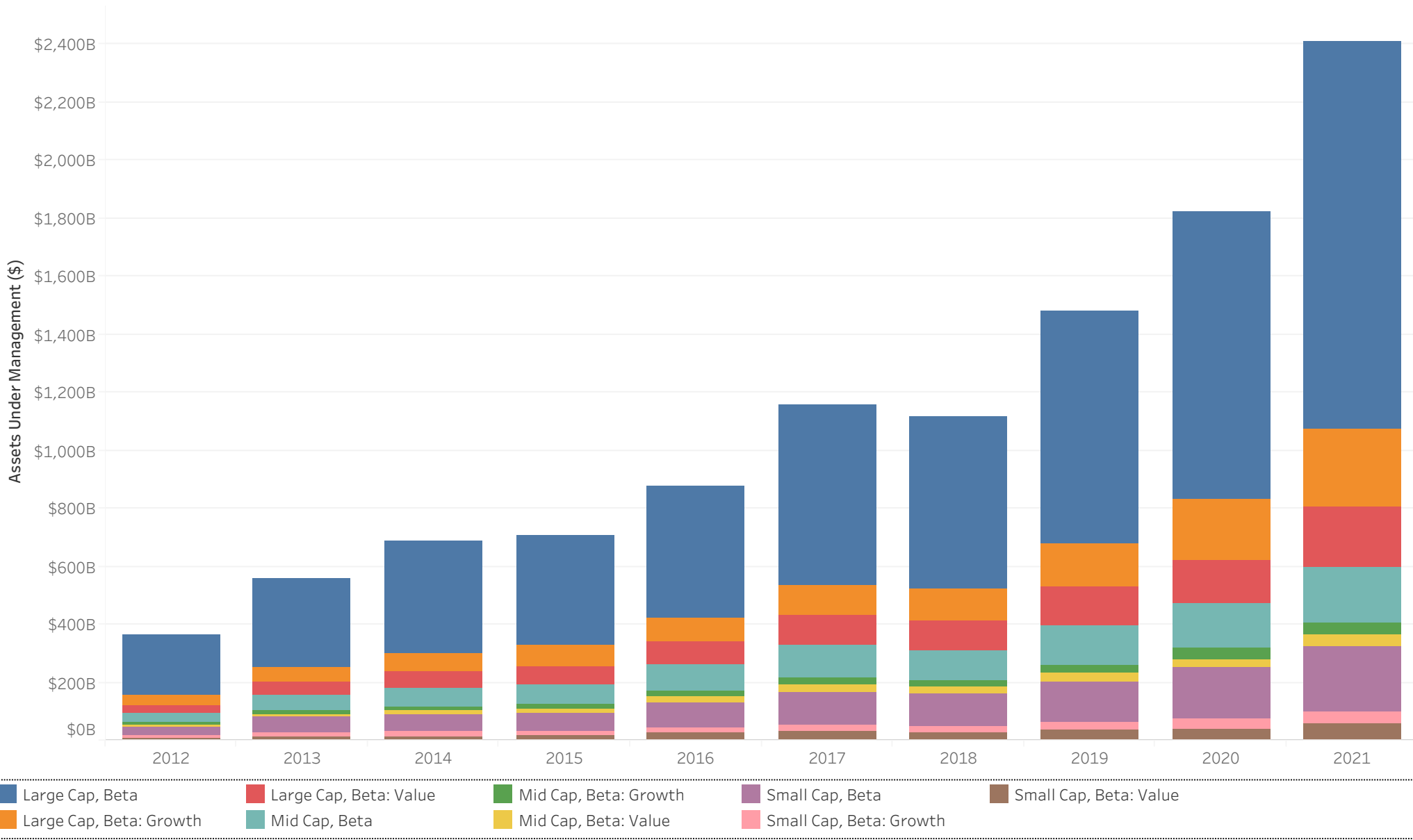
U.S. Size & Style
(Beta Strategies Only)



ETF
ACTION

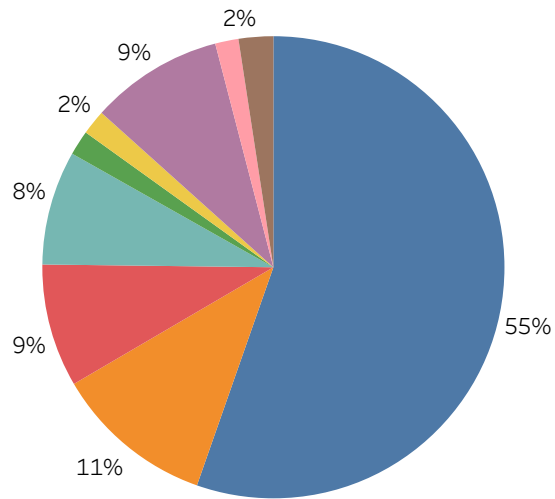
October 30, 2021

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.

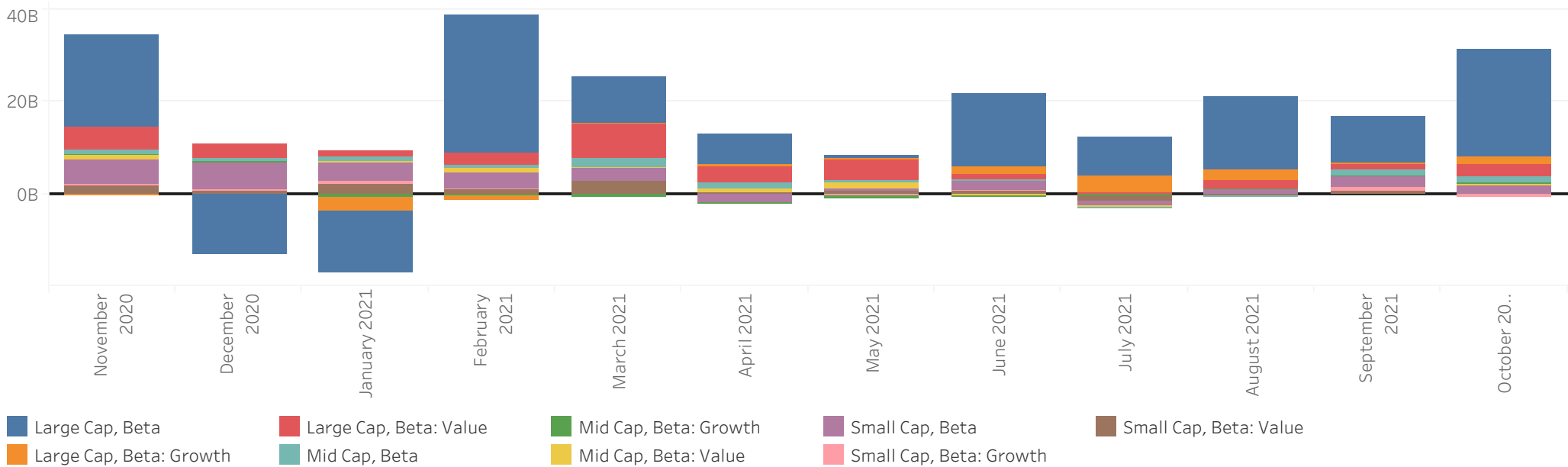
U.S. Size & Style AUM Makeup



Landscape Assets & Flows

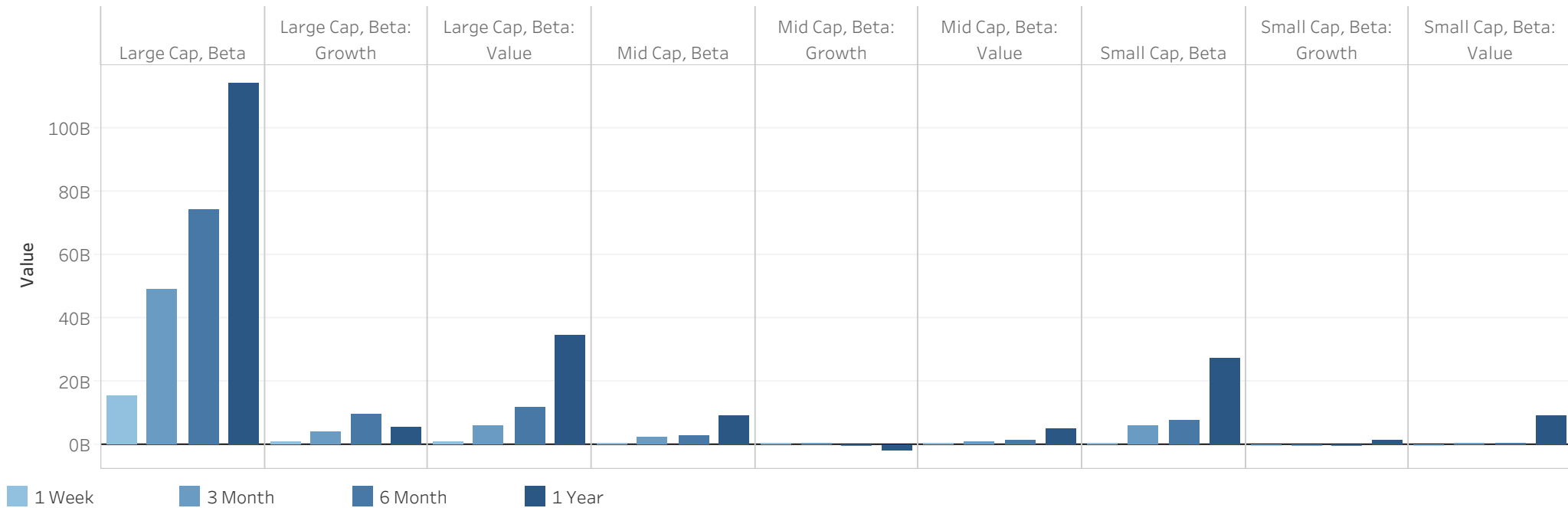
| | Funds | AUM | 1 Week | 3 Month | 6 Month | 1 Year |
|-------------------------|-------|--------------|-----------|-----------|-----------|------------|
| Large Cap, Beta | 24 | \$1,335,474M | \$15,240M | \$48,953M | \$73,905M | \$114,040M |
| Large Cap, Beta: Growth | 10 | \$270,427M | \$974M | \$3,878M | \$9,316M | \$5,407M |
| Large Cap, Beta: Value | 11 | \$207,751M | \$846M | \$5,876M | \$11,711M | \$34,382M |
| Mid Cap, Beta | 10 | \$192,822M | \$100M | \$2,287M | \$2,511M | \$9,136M |
| Mid Cap, Beta: Growth | 6 | \$41,490M | \$95M | \$164M | (\$632M) | (\$2,079M) |
| Mid Cap, Beta: Value | 6 | \$42,115M | \$82M | \$737M | \$1,190M | \$4,783M |
| Small Cap, Beta | 12 | \$224,527M | \$436M | \$5,660M | \$7,484M | \$27,143M |
| Small Cap, Beta: Growth | 7 | \$39,338M | (\$67M) | \$21M | (\$278M) | \$1,197M |
| Small Cap, Beta: Value | 7 | \$57,845M | (\$162M) | \$439M | \$417M | \$8,961M |

Monthly Flows



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Flows by Time Frames Bar Chart



Weekly Flows Leaders

| | | AUM | 1 Week |
|------|-----------------------------------|------------|----------|
| IVV | iShares Core S&P 500 ETF | \$304,297M | \$7,944M |
| SPY | SPDR S&P 500 ETF Trust | \$407,139M | \$2,413M |
| QQQ | Invesco QQQ Trust | \$193,211M | \$2,210M |
| VOO | Vanguard S&P 500 ETF | \$262,908M | \$1,756M |
| SPYG | SPDR Portfolio S&P 500 Growth ETF | \$14,051M | \$329M |
| IWD | iShares Russell 1000 Value ETF | \$56,712M | \$321M |
| PBUS | Invesco PureBeta MSCI USA ETF | \$2,207M | \$312M |
| VB | Vanguard Small-Cap ETF | \$49,511M | \$288M |
| VONV | Vanguard Russell 1000 Value ETF | \$6,658M | \$245M |
| IJR | iShares Core S&P Small Cap ETF | \$71,532M | \$233M |

Weekly Flows Laggards

| | | AUM | 1 Week |
|------|---------------------------------------|-----------|----------|
| IJS | iShares S&P Small-Cap 600 Value ETF | \$9,351M | (\$384M) |
| MDY | SPDR S&P Midcap 400 ETF Trust | \$21,432M | (\$227M) |
| VTWO | Vanguard Russell 2000 ETF | \$6,588M | (\$97M) |
| IWM | iShares Russell 2000 ETF | \$70,243M | (\$65M) |
| IWO | iShares Russell 2000 Growth ETF | \$12,068M | (\$60M) |
| SLYG | SPDR S&P 600 Small Cap Growth ETF | \$2,379M | (\$18M) |
| IWN | iShares Russell 2000 Value ETF | \$16,129M | (\$17M) |
| VIOG | Vanguard S&P Small-Cap 600 Growth ETF | \$602M | (\$12M) |
| IJT | iShares S&P Small-Cap 600 Growth ETF | \$6,076M | (\$7M) |
| SCHM | Schwab U.S. Mid-Cap ETF | \$10,213M | (\$4M) |

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Monthly Performance

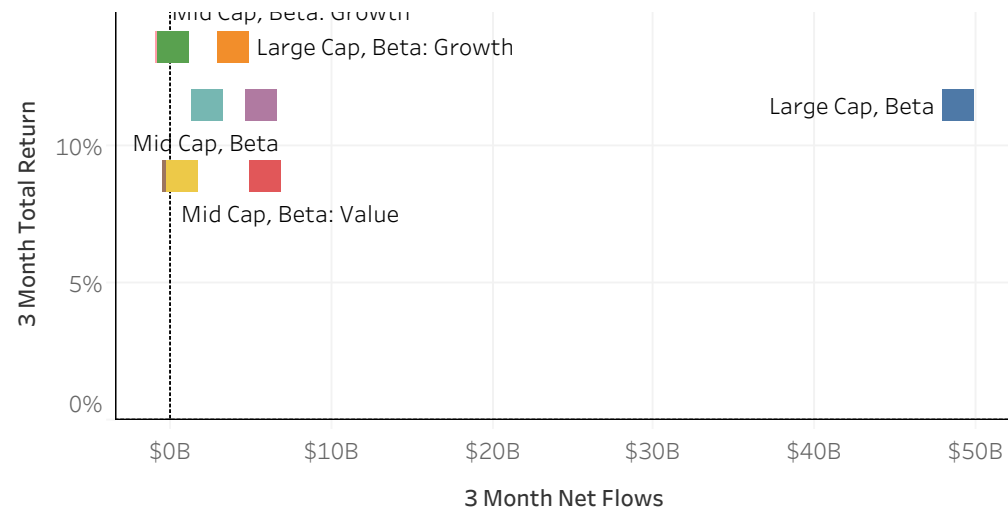
| November 2020 | December 2020 | January 2021 | February 2021 | March 2021 | April 2021 | May 2021 | June 2021 | July 2021 | August 2021 | September 2021 | MTD |
|---------------|---------------|--------------|---------------|------------|------------|----------|-----------|-----------|-------------|----------------|-------|
| 19.14% | 9.00% | 5.01% | 10.14% | 6.65% | 7.02% | 3.35% | 5.99% | 3.51% | 3.90% | -1.77% | 8.75% |
| 16.42% | 8.18% | 4.72% | 8.84% | 6.33% | 5.24% | 2.43% | 3.34% | 1.99% | 3.12% | -2.77% | 7.70% |
| 16.32% | 7.48% | 4.64% | 6.86% | 5.65% | 4.71% | 2.12% | 3.13% | 1.28% | 2.50% | -3.53% | 7.01% |
| 15.59% | 5.58% | 0.65% | 6.03% | 3.46% | 4.59% | 0.86% | 3.11% | 0.94% | 2.37% | -3.59% | 6.09% |
| 14.26% | 5.57% | 0.65% | 5.39% | 3.15% | 4.57% | 0.39% | 1.03% | 0.37% | 2.28% | -3.70% | 5.18% |
| 13.13% | 5.12% | 0.61% | 3.23% | 2.35% | 3.62% | 0.26% | 0.31% | -0.01% | 2.18% | -3.93% | 4.65% |
| 12.91% | 4.23% | -0.61% | 3.19% | 2.00% | 2.52% | -1.27% | -0.95% | -1.78% | 2.12% | -4.52% | 4.60% |
| 11.44% | 4.04% | -0.71% | 2.50% | 0.28% | 2.33% | -1.36% | -1.01% | -2.75% | 2.07% | -4.78% | 4.18% |
| 9.95% | 3.51% | -1.17% | 0.13% | -1.30% | 2.31% | -1.48% | -2.30% | -3.62% | 1.89% | -5.63% | 3.45% |

■ 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

Performance

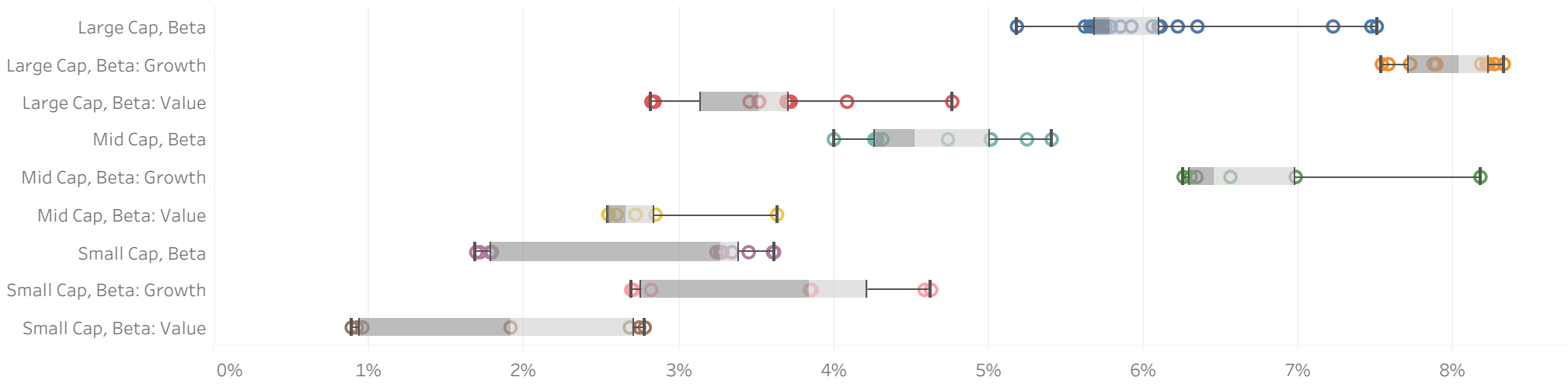
| | 1 Month | 3 Month | YTD | 1 Year |
|-------------------------|---------|---------|--------|--------|
| Large Cap, Beta | 6.03% | 4.44% | 22.51% | 40.01% |
| Large Cap, Beta: Growth | 7.98% | 5.86% | 25.34% | 40.44% |
| Large Cap, Beta: Value | 3.54% | 2.78% | 21.17% | 41.90% |
| Mid Cap, Beta | 4.65% | 4.05% | 21.72% | 45.31% |
| Mid Cap, Beta: Growth | 6.77% | 5.06% | 18.39% | 38.90% |
| Mid Cap, Beta: Value | 2.81% | 2.96% | 25.96% | 52.24% |
| Small Cap, Beta | 2.84% | 2.95% | 20.28% | 51.17% |
| Small Cap, Beta: Growth | 3.59% | 2.63% | 12.38% | 40.35% |
| Small Cap, Beta: Value | 1.84% | 3.08% | 27.71% | 62.07% |

3 Month Total Return vs Net Flows

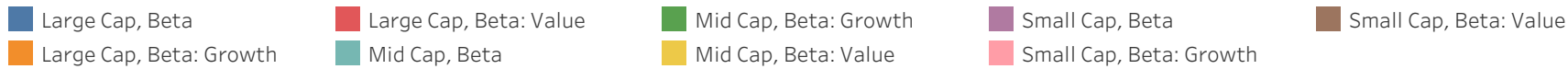


*Size & Style performance calculated as averages. Landscape data is represented by Sub-asset class Equity > Size & Style composite ETFs > U.S. market > Large, Mid, & Small Cap reach > Beta, Beta: Value, Beta: Growth strategies according to the ETF Action Classification System. Excludes leverage & inverse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

One Month Performance Ranges - Box & Whisker Plot



One Month Performance



One Month Performance Leaders

| | | 1 Month Return | YTD Return |
|-------------|------------------------------------|----------------|------------|
| SCHG | Schwab U.S. Large-Cap Growth ETF | 8.32% | 25.96% |
| VOOG | Vanguard S&P 500 Growth ETF | 8.26% | 27.03% |
| IVW | iShares S&P 500 Growth ETF | 8.23% | 26.89% |
| SPYG | SPDR Portfolio S&P 500 Growth ETF | 8.21% | 27.00% |
| IWY | iShares Russell Top 200 Growth ETF | 8.18% | 25.66% |
| VOT | Vanguard Mid-Cap Growth ETF | 8.17% | 21.42% |
| VONG | Vanguard Russell 1000 Growth ETF | 7.89% | 24.25% |
| IWF | iShares Russell 1000 Growth ETF | 7.87% | 24.10% |
| ILCG | iShares Morningstar Growth ETF | 7.72% | 22.84% |
| VUG | Vanguard Growth ETF | 7.58% | 24.48% |

One Month Performance Laggards

| | | 1 Mo | YTD |
|-------------|---|-------|--------|
| SLYV | SPDR S&P 600 Small Cap Value ETF | 0.89% | 28.77% |
| VIOW | Vanguard S&P Small-Cap 600 Value ETF | 0.92% | 28.74% |
| IJS | iShares S&P Small-Cap 600 Value ETF | 0.96% | 28.73% |
| VIOW | Vanguard S&P Small-Cap 600 ETF | 1.69% | 24.11% |
| SLY | SPDR S&P 600 Small Cap ETF | 1.71% | 24.10% |
| SPSM | SPDR Portfolio S&P 600 Small Cap ETF | 1.78% | 24.08% |
| IJR | iShares Core S&P Small Cap ETF | 1.79% | 24.17% |
| ISCV | iShares Morningstar Small Cap Value ETF | 1.91% | 26.95% |
| VOE | Vanguard Mid-Cap Value ETF | 2.54% | 24.08% |
| IJJ | iShares S&P Mid-Cap 400 Value ETF | 2.55% | 26.17% |

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Large Cap Blend (S&P 500) IVV



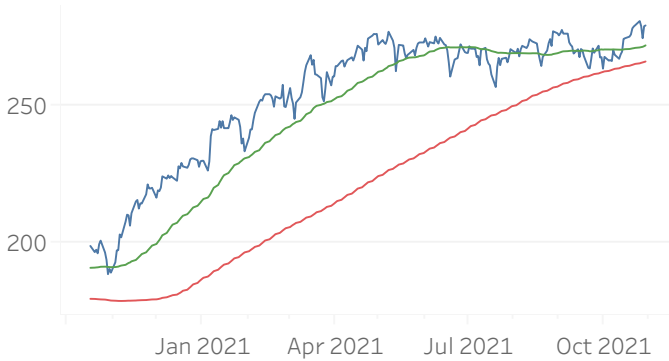
Large Cap Growth (S&P 500) IVW



Large Cap Value (S&P 500) IVE



Mid Cap Blend (S&P 400) IJH



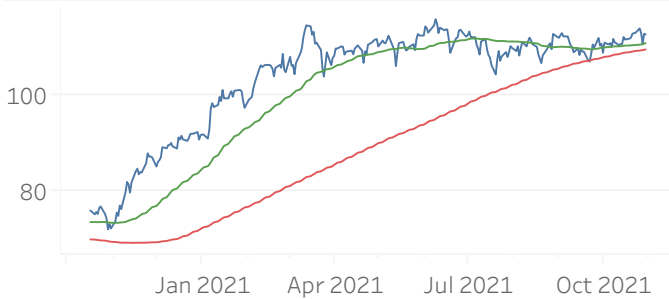
Mid Cap Growth (S&P 400) IJK



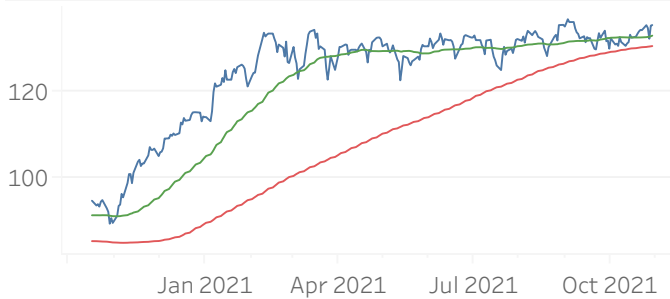
Mid Cap Value (S&P 400) IJJ



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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