

ETF Playbook

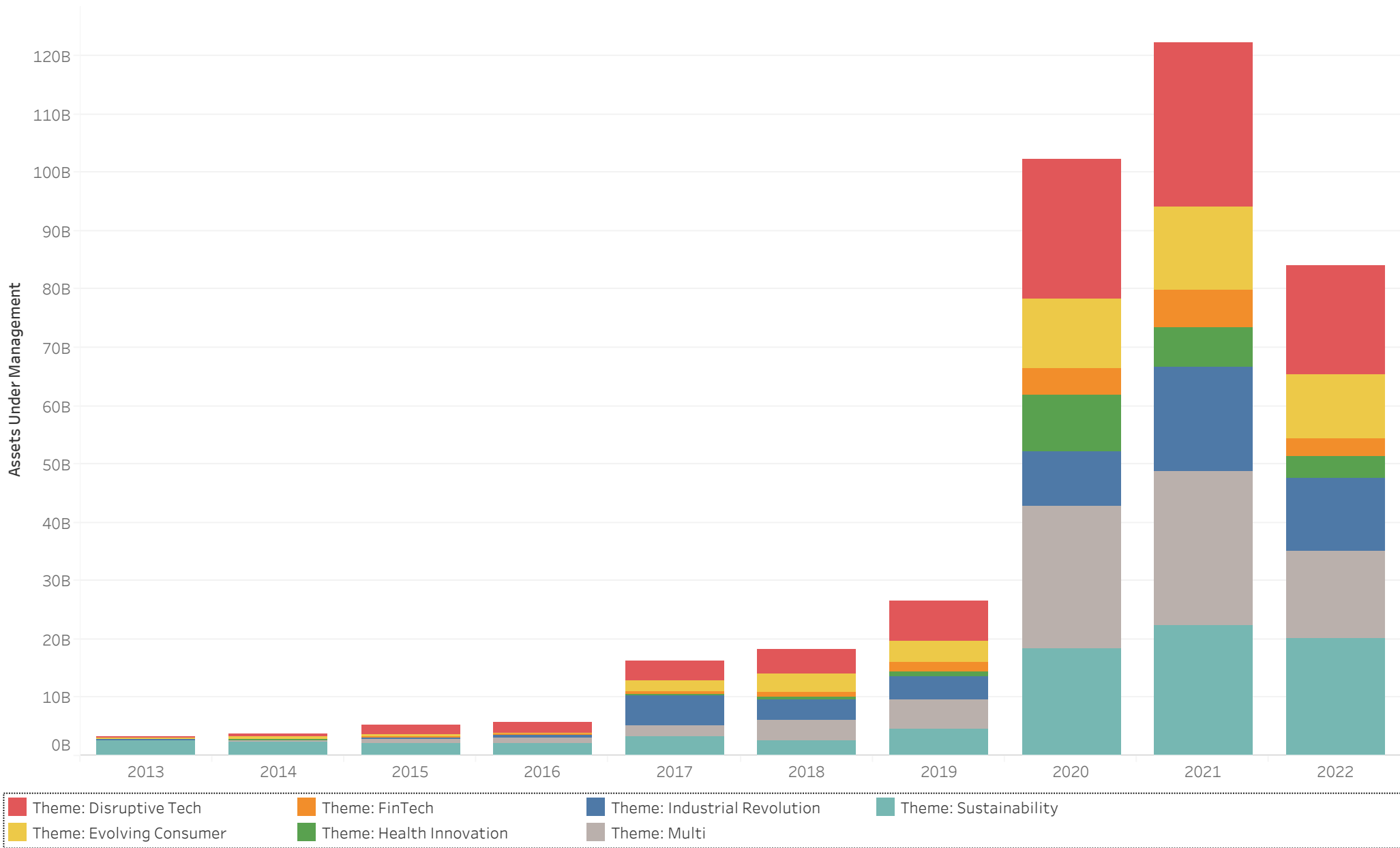
Global Themes



ETF
ACTION

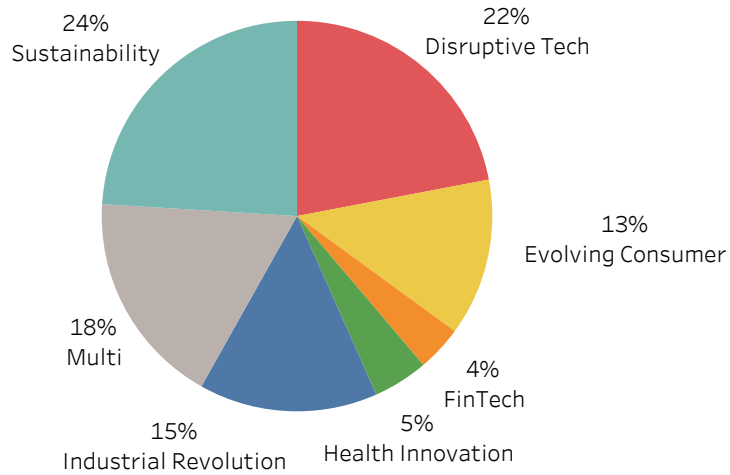
August 30, 2022

Annual AUM Growth



*Thematic landscape data is represented by Sub-asset class Equity > Thematic composite ETFs according to the ETF Action Classification System. Excludes inverse funds. **Flows delayed one day.

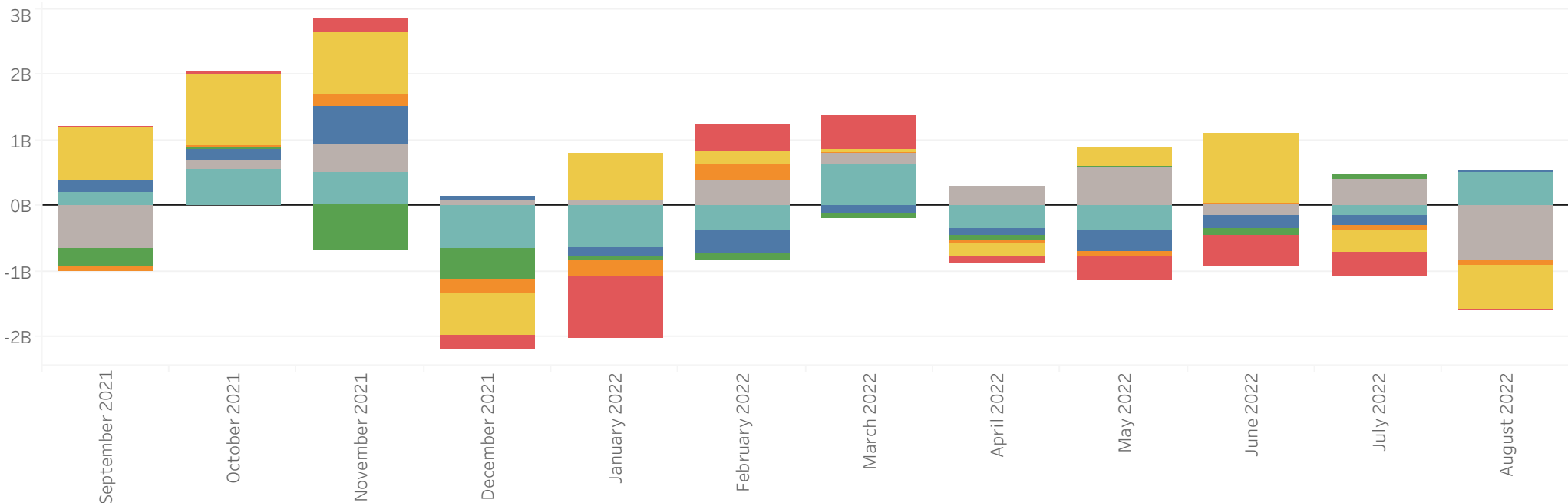
Thematic AUM Makeup



Landscape Assets & Flows

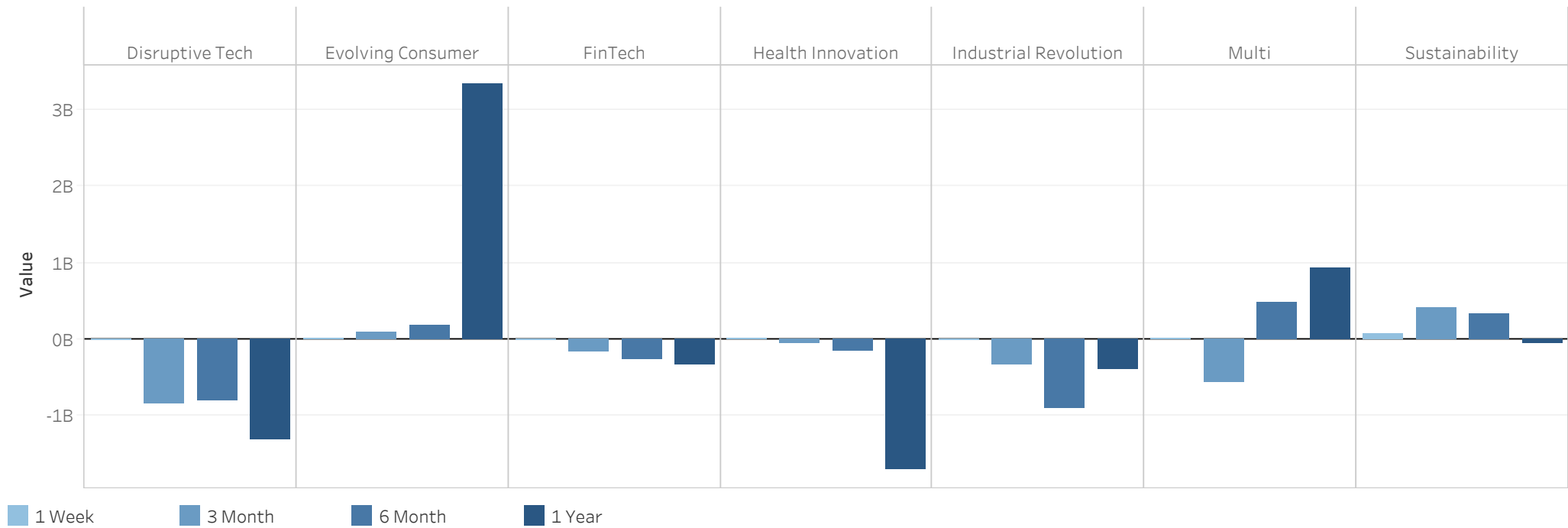
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$18,474M	(\$21M)	(\$837M)	(\$807M)	(\$1,304M)
Evolving Consumer	47	\$10,940M	\$24M	\$89M	\$193M	\$3,333M
FinTech	24	\$3,156M	(\$9M)	(\$174M)	(\$253M)	(\$330M)
Health Innovation	19	\$3,830M	\$20M	(\$58M)	(\$151M)	(\$1,696M)
Industrial Revolution	32	\$12,408M	\$4M	(\$330M)	(\$905M)	(\$390M)
Multi	41	\$14,966M	\$14M	(\$562M)	\$481M	\$937M
Sustainability	42	\$20,165M	\$68M	\$411M	\$332M	(\$59M)

Monthly Flows



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Flows by Time Frames Bar Chart



Weekly Flows Leaders

ETF	ETF Name	AUM	1 Week
ARKK	ARK Innovation ETF	\$8,263M	\$176M
PBW	Invesco WilderHill Clean Energy ETF	\$1,165M	\$30M
QCLN	First Trust Nasdaq Clean Edge Green Energy Ind..	\$2,365M	\$23M
MJUS	ETFMG U.S. Alternative Harvest ETF	\$60M	\$20M
MSOS	AdvisorShares Pure US Cannabis ETF	\$632M	\$19M
ICLN	iShares Global Clean Energy ETF	\$5,626M	\$18M
ERTH	Invesco MSCI Sustainable Future ETF	\$368M	\$17M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$1,743M	\$13M
SAMT	Strategas Macro Thematic Opportunities ETF	\$53M	\$12M
KWEB	KraneShares CSI China Internet ETF	\$6,228M	\$10M

Weekly Flows Laggards

ETF	ETF Name	AUM	1 Week
TAN	Invesco Solar ETF	\$2,967M	(\$27M)
ARKW	ARK Next Generation Internet ETF	\$1,418M	(\$21M)
SOCL	Global X Social Media ETF	\$161M	(\$15M)
DRIV	Global X Autonomous & Electric Vehicles ETF	\$993M	(\$14M)
NXTG	First Trust Indxx NextG ETF	\$577M	(\$10M)
ARKF	ARK Fintech Innovation ETF	\$914M	(\$9M)
ONLN	ProShares Online Retail ETF	\$275M	(\$9M)
FIVG	Defiance Next Gen Connectivity ETF	\$919M	(\$9M)
SKYY	First Trust Cloud Computing ETF	\$3,512M	(\$7M)
REMX	VanEck Rare Earth/Strategic Metals ETF	\$854M	(\$5M)

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Thematic Performance Dynamics

Monthly Performance

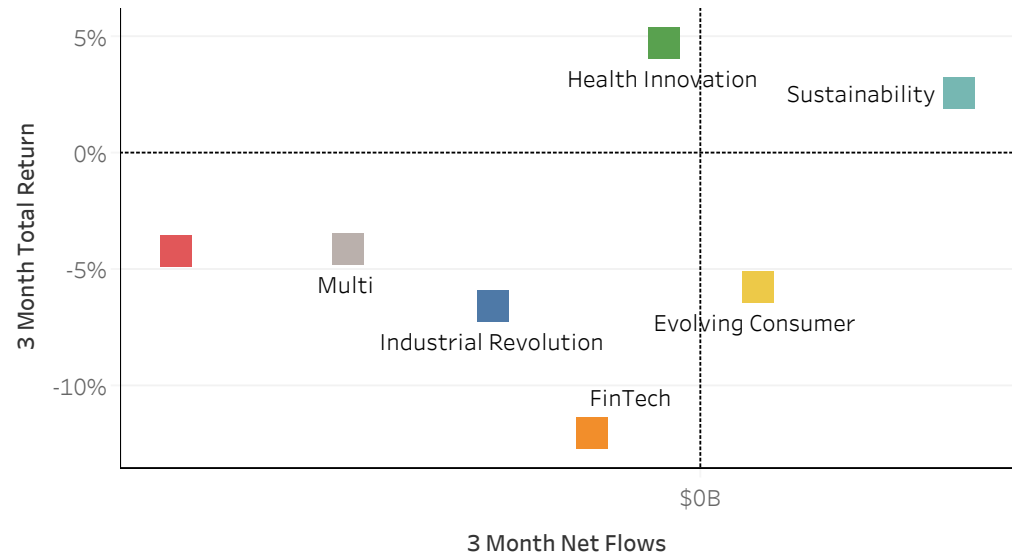
September 2021	October 2021	November 2021	December 2021	January 2022	February 2022	March 2022	April 2022	May 2022	June 2022	July 2022	MTD
-4.88%	13.61%	-2.03%	-0.80%	-9.97%	3.32%	2.75%	-12.11%	2.39%	0.37%	23.17%	-0.69%
-5.37%	12.65%	-2.43%	-0.81%	-10.16%	0.29%	2.21%	-12.18%	1.78%	-6.67%	12.43%	-1.61%
-5.38%	6.72%	-3.31%	-1.47%	-10.93%	-0.68%	0.74%	-13.39%	-3.14%	-7.57%	10.02%	-2.48%
-5.73%	6.65%	-4.30%	-2.71%	-12.21%	-1.93%	0.56%	-13.83%	-4.07%	-8.25%	9.00%	-3.57%
-5.78%	6.21%	-4.72%	-4.26%	-13.26%	-2.83%	0.43%	-14.03%	-4.17%	-10.14%	8.43%	-3.58%
-6.73%	-0.15%	-6.88%	-4.73%	-16.31%	-3.25%	-0.08%	-15.22%	-4.32%	-10.25%	7.41%	-3.60%
-8.80%	-0.33%	-7.68%	-14.84%	-16.48%	-4.35%	-2.08%	-22.26%	-14.37%	-25.94%	5.37%	-3.95%



Performance

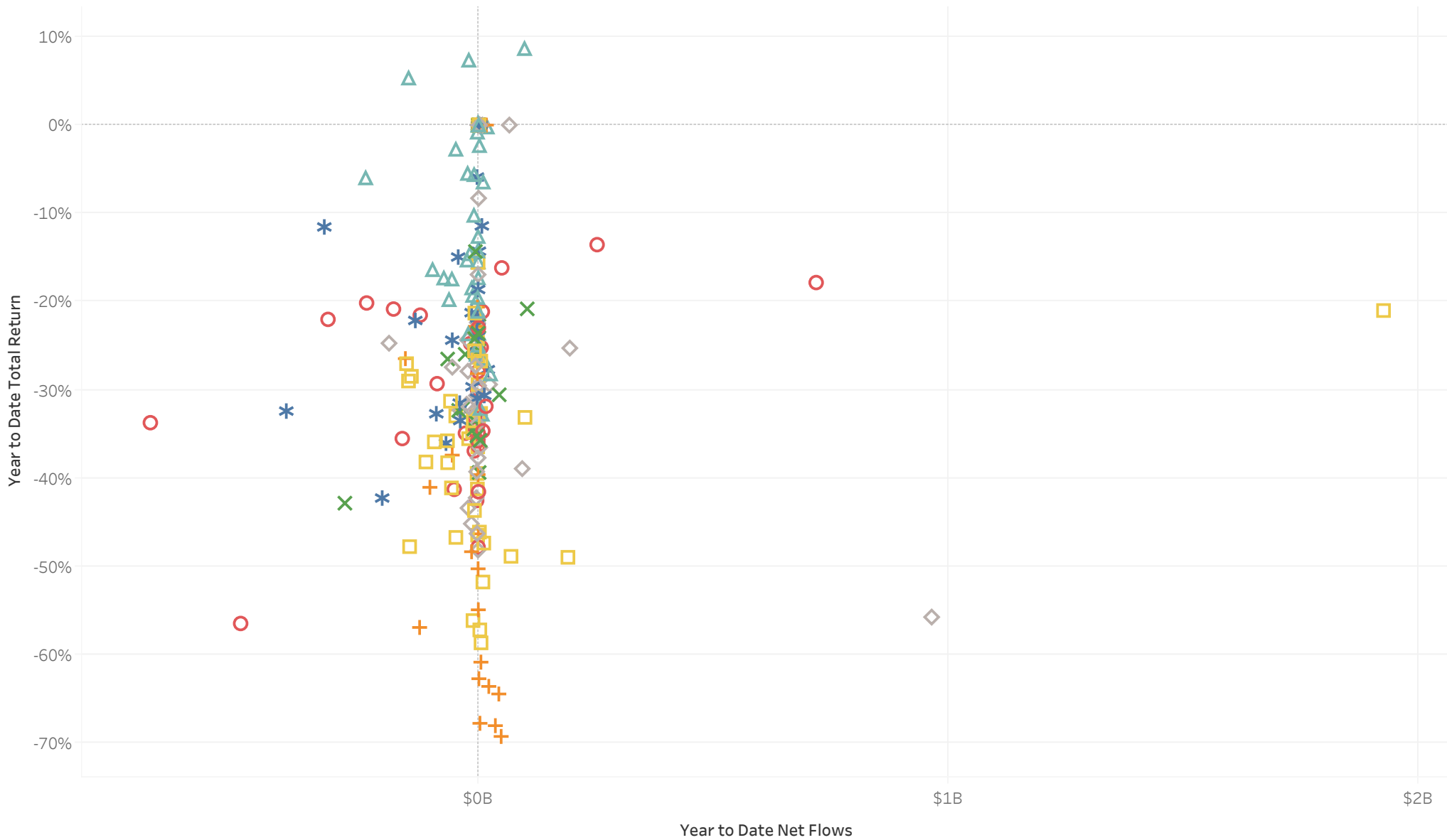
Segment	1 Month	3 Month	YTD	1 Year
Theme: Disruptive Tech	-2.48%	-4.26%	-30.81%	-31.74%
Theme: Evolving Consumer	-0.69%	-5.75%	-36.19%	-46.04%
Theme: FinTech	-3.95%	-12.00%	-48.88%	-53.09%
Theme: Health Innovation	-3.60%	4.69%	-29.37%	-39.26%
Theme: Industrial Revolution	-3.57%	-6.58%	-24.58%	-25.46%
Theme: Multi	-3.58%	-4.16%	-32.47%	-37.62%
Theme: Sustainability	-1.61%	2.56%	-14.39%	-17.48%

3 Month Total Return vs Net Flows



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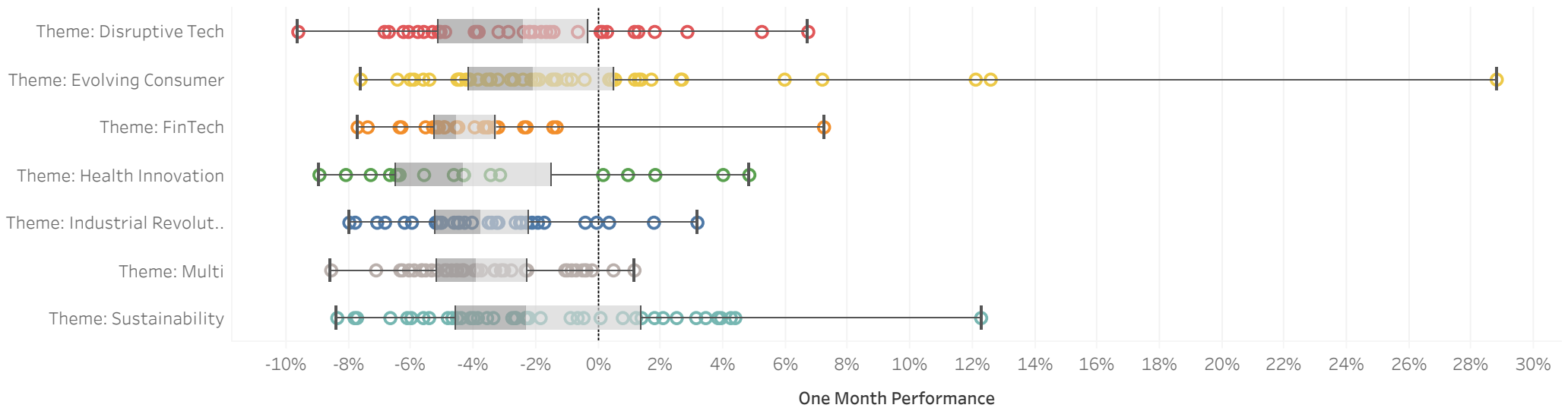
YTD Performance vs YTD Net Flows



Theme: Disruptive Tech	Theme: FinTech	Theme: Industrial Revolution	Theme: Sustainability
Theme: Evolving Consumer	Theme: Health Innovation	Theme: Multi	

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One Month Performance Ranges - Box & Whisker Plot



One Month Performance Leaders

ETF Ticker	ETF Name	1 Mo	YTD
PSIL	AdvisorShares Psychedelics ETF	28.80%	-32.64%
PSDN	AdvisorShares Poseidon Dynamic Cannabis ETF	17.91%	-58.61%
MJUS	ETFMG U.S. Alternative Harvest ETF	12.57%	-48.82%
NBCT	Neuberger Berman Carbon Transition Infrastru...	12.26%	
MSOS	AdvisorShares Pure US Cannabis ETF	12.09%	-48.93%
BTCR	Volt Crypto Industry Revolution and Tech ETF	7.23%	-54.87%
CNBS	Amplify Seymour Cannabis ETF	7.17%	-46.07%
BUG	Global X Cybersecurity ETF	6.72%	-13.53%
WEED	Roundhill Cannabis ETF	5.96%	
WCBR	WisdomTree Cybersecurity Fund	5.24%	-25.16%

One Month Performance Laggards

ETF Ticker	ETF Name	1 Mo	YTD
TINY	ProShares Nanotechnology ETF	-9.63%	-30.02%
HELX	Franklin Genomic Advancements ETF	-8.95%	-33.50%
KEJI	Global X China Innovation ETF	-8.57%	-26.23%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-8.38%	-25.57%
FDHT	Fidelity Digital Health ETF	-8.10%	-25.54%
BOTZ	Global X Robotics & Artificial Intelligence ETF	-7.99%	-42.22%
GRNR	Global X Green Building ETF	-7.83%	
BULD	Pacer BlueStar Engineering the Future ETF	-7.81%	
OCEN	IQ Clean Oceans ETF	-7.75%	-25.24%
RIGZ	Viridi Cleaner Energy Crypto-Mining & Semiconductor ..	-7.73%	-67.72%

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