



TPA-RRG Report

- **What is hot and what is not.**

TPA-RRG captures the inevitable movement of stocks into and out of favor.

- **Scores and ranking**

Clients can quickly see which stocks are showing the best and worst relative strength characteristics. TPA found that using RRG's was very beneficial, but took some time to parse through, so we simplified the process by creating a score for each stock and sector.



- **The best of both worlds – RRG & TPA**

Now, clients can use TPA-RRG scores and rankings to identify stocks that are not only moving into favor, but are also technically positive.



- **TPA-RRG analyzes every stock in the Russell 1000 and 25 major sector & subsector ETFs**

Find links to more information and instructional videos below.

THE REPORT

TPA-RRG Weekly Commentary

Top 20-Bottom 20

Every single Bottom 20 stock is TECH-related. This is the first time since TPA-RRG began that every Bottom 20 (or Top 20) stock is of the same sector.

TPA-RRG TOP 20 & BOTTOM 20 (table below)

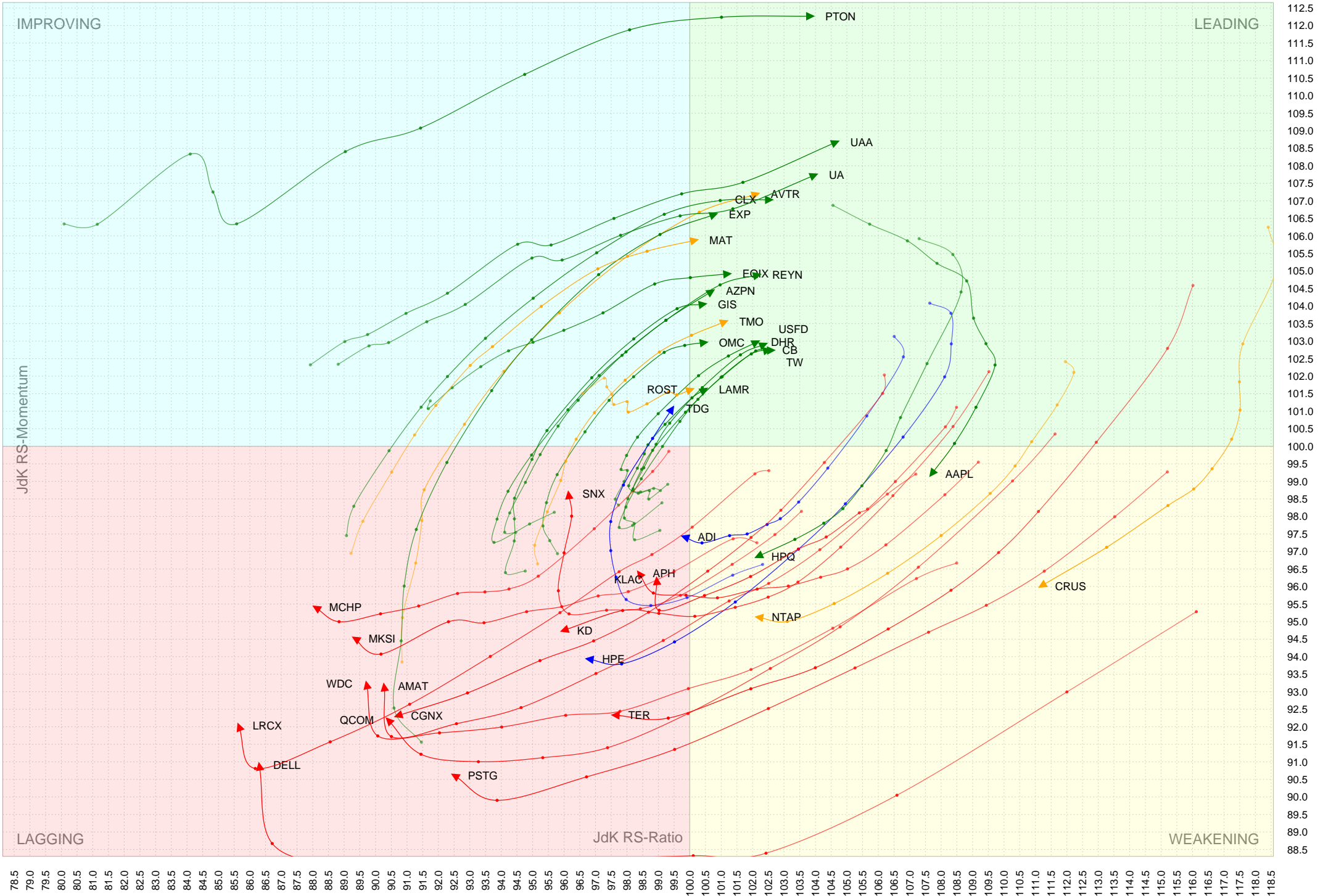
Buy	Prices as of 9/27/24							STOCK	SECTOR	TOTAL
Sell	TOP 20							TPA-RRG	TPA-RRG	TPA-RRG
Code	Name	Last	RRG Ratio	RRG Momentum	Quadrant	Mkt Cap (\$MIL)	TPA Sector	SCORE	SCORE	SCORE
TMO	Thermo Fisher Scientific Inc.	614.42	101.13	103.56	Leading	\$234,706	Health Care	4.67	3.01	7.68
AVTR	Avantor Inc.	25.83	102.14	107.20	Leading	\$17,560	Health Care	4.56	3.01	7.57
GIS	General Mills Inc.	74.38	100.45	104.05	Leading	\$41,293	Consumer Staples	4.49	3.01	7.50
REYN	Reynolds Consumer Products Inc	31.14	102.18	104.89	Leading	\$6,544	Consumer Staples	4.49	3.01	7.50
CLX	Clorox Co.	163.42	102.56	107.03	Leading	\$20,242	Consumer Staples	4.49	3.01	7.50
DHR	Danaher Corp.	275.44	102.14	102.98	Leading	\$198,926	Health Care	4.41	3.01	7.42
USFD	US Foods Holding Corp	60.16	102.38	102.91	Leading	\$14,713	Consumer Staples	4.30	3.01	7.31
TW	Tradeweb Markets Inc	121.75	102.63	102.74	Leading	\$25,960	Financial	4.25	3.01	7.25
CB	Chubb Limited	289.57	102.50	102.75	Leading	\$116,967	Financial	4.23	3.01	7.24
AZPN	Aspen Technology Inc	237.22	100.71	104.43	Leading	\$15,005	Tech-Software	4.84	2.01	6.85
ROST	Ross Stores Inc.	151.56	100.05	101.62	Leading	\$50,282	Consumer Discretionary	4.70	2.01	6.71
UA	Under Armour Inc	8.41	103.99	107.74	Leading	\$3,634	Consumer Discretionary	4.63	2.01	6.64
EXP	Eagle Materials Inc.	286.23	100.80	106.62	Leading	\$9,623	Materials	4.63	2.01	6.64
UAA	Under Armour Inc	8.94	104.67	108.68	Leading	\$3,863	Consumer Discretionary	4.62	2.01	6.63
MAT	Mattel Inc.	19.04	100.18	105.88	Leading	\$6,472	Consumer Discretionary	4.62	2.01	6.63
LAMR	Lamar Advertising Co	133.27	100.49	101.62	Leading	\$13,634	Real Estate	4.56	2.01	6.57
EQIX	Equinix Inc	882.69	101.23	104.92	Leading	\$83,807	Real Estate	4.55	2.01	6.57
TDG	Transdigm Group Incorporated	1402.88	99.44	101.08	Improving	\$78,718	Aerospace & Defense	4.56	2.01	6.57
PTON	Peloton Interactive Inc	4.81	103.87	112.27	Leading	\$1,811	Consumer Discretionary	4.51	2.01	6.52
OMC	Omnicom Group Inc.	102.67	100.49	102.96	Leading	\$20,087	Communication Services	4.50	2.00	6.50

Buy	Prices as of	9/27/24						STOCK	SECTOR	TOTAL	
Sell			BOTTOM 20						TPA-RRG	TPA-RRG	TPA-RRG
MKSI	MKS Instruments Inc.	110.31	89.34	94.52	Lagging	\$7,423	Technology	-2.08	-3.01	-5.09	
MCHP	Microchip Technology Inc.	80.59	88.08	95.41	Lagging	\$43,237	Semiconductor	-2.06	-3.03	-5.09	
LRCX	Lam Research Corp.	827.12	85.65	92.03	Lagging	\$107,423	Semiconductor	-2.09	-3.03	-5.12	
WDC	Western Digital Corp.	69.42	89.71	93.22	Lagging	\$23,842	Technology	-2.13	-3.01	-5.14	
AAPL	Apple Inc	227.79	107.69	99.20	Weakening	\$3,463,342	Technology	-2.13	-3.01	-5.14	
DELL	Dell Technologies Inc	120.22	86.30	90.90	Lagging	\$87,580	Technology	-2.14	-3.01	-5.15	
CRUS	Cirrus Logic Inc.	121.60	111.18	96.02	Weakening	\$6,495	Technology	-2.15	-3.01	-5.16	
NTAP	Netapp Inc	121.24	102.17	95.13	Weakening	\$24,828	Technology	-2.16	-3.01	-5.17	
SNX	TD Synnex Corp	119.67	96.14	98.64	Lagging	\$10,227	Technology	-2.17	-3.01	-5.18	
HPQ	HP Inc	35.41	102.16	96.86	Weakening	\$34,125	Technology	-2.34	-3.01	-5.35	
KLAC	KLA Corp.	782.40	98.95	96.19	Lagging	\$104,823	Semiconductor	-3.11	-3.03	-6.14	
CGNX	Cognex Corp.	40.27	90.69	92.31	Lagging	\$6,906	Technology	-3.16	-3.01	-6.17	
AMAT	Applied Materials Inc.	204.92	90.27	93.16	Lagging	\$168,937	Technology	-3.18	-3.01	-6.19	
QCOM	Qualcomm Inc.	170.13	90.40	92.20	Lagging	\$189,525	Technology	-3.20	-3.01	-6.21	
PSTG	Pure Storage Inc	49.44	92.50	90.61	Lagging	\$16,201	Technology	-3.22	-3.01	-6.23	
APH	Amphenol Corporation	65.02	98.38	96.38	Lagging	\$78,303	Technology	-3.26	-3.01	-6.27	
HPE	Hewlett Packard Enterprise Co	20.14	96.77	93.93	Lagging	\$26,155	Technology	-3.26	-3.01	-6.27	
ADI	Analog Devices Inc.	232.05	99.81	97.42	Lagging	\$115,211	Technology	-3.36	-3.01	-6.37	
TER	Teradyne Inc.	134.64	97.60	92.33	Lagging	\$21,970	Technology	-3.37	-3.01	-6.38	
KD	Kyndryl Holdings Inc	23.01	95.97	94.75	Lagging	\$5,320	Technology	-3.39	-3.01	-6.40	

Relative Rotation Graph for Top 20 and Bottom 20 is provided below.

Also, use the following link that shows RRG over time - how stocks move in and out of favor over time:

<https://youtu.be/u5eTh8nPvQI>



TPA-RRG 27 SECTOR ETFS

TPA-RRG U.S. SECTOR & SUBSECTOR ETFS							
			9/29/24				
<u>Code</u>	<u>Name</u>	<u>Last</u>	<u>RRG Ratio</u>	<u>RRG Momentum</u>	<u>Quadrant</u>	<u>TPA-RRG SCORE</u>	
ITB	Home Construction	126.77	104.33	104.46	62.70	3.02	
XLV	Health Care	153.02	100.81	101.89	43.53	3.01	
XLF	Financials	45.15	101.11	101.74	55.73	3.01	
PPH	Pharma	94.84	101.30	101.37	35.53	3.01	
XLP	Staples	83.02	101.06	101.75	55.99	3.01	
TAN	Solar	43.00	93.07	100.08	61.25	2.02	
IYR	Real Estate	101.15	104.90	103.57	54.43	2.01	
FDN	Internet	211.57	96.10	100.70	67.95	2.01	
CLOU	Cloud Computing	20.61	94.77	102.88	65.64	2.01	
HACK	Cyber Security	68.08	99.44	101.89	60.53	2.01	
ITA	Aerospace & Defense	148.51	102.31	102.14	61.85	2.01	
XLU	Utilities	80.42	104.20	101.88	69.28	2.01	
XLB	Materials	96.92	98.03	101.14	68.32	2.01	
IYT	Transportation	68.72	96.22	102.10	60.65	2.01	
IGV	Software	89.24	98.39	101.16	62.28	2.01	
XLY	Consumer Discretionary	200.84	99.04	101.06	70.82	2.01	
XLI	Industrial	134.83	99.48	101.74	68.25	2.01	
MOO	Agribusiness	75.62	96.83	101.95	65.04	2.01	
XRT	Retail	77.85	97.45	100.49	61.07	2.01	
XLC	Communications	90.01	99.72	100.13	68.86	2.00	
XME	Metals & Mining	64.20	95.18	98.99	70.27	-2.01	
SOCL	Social Media	43.35	93.34	98.01	71.68	-2.01	
XLE	Energy	87.19	94.28	98.94	46.98	-2.01	
XOP	Oil&Gas E&P	131.14	90.51	97.45	45.05	-2.02	
OIH	Oil Services	282.98	91.72	97.34	46.09	-2.03	
XLK	TECH	225.10	97.82	98.38	58.42	-3.01	
SMH	SEMI	247.74	96.51	94.73	57.75	-3.03	

TPA-RRG U.S. SECTOR & SUBSECTOR ETFs - HISTORY

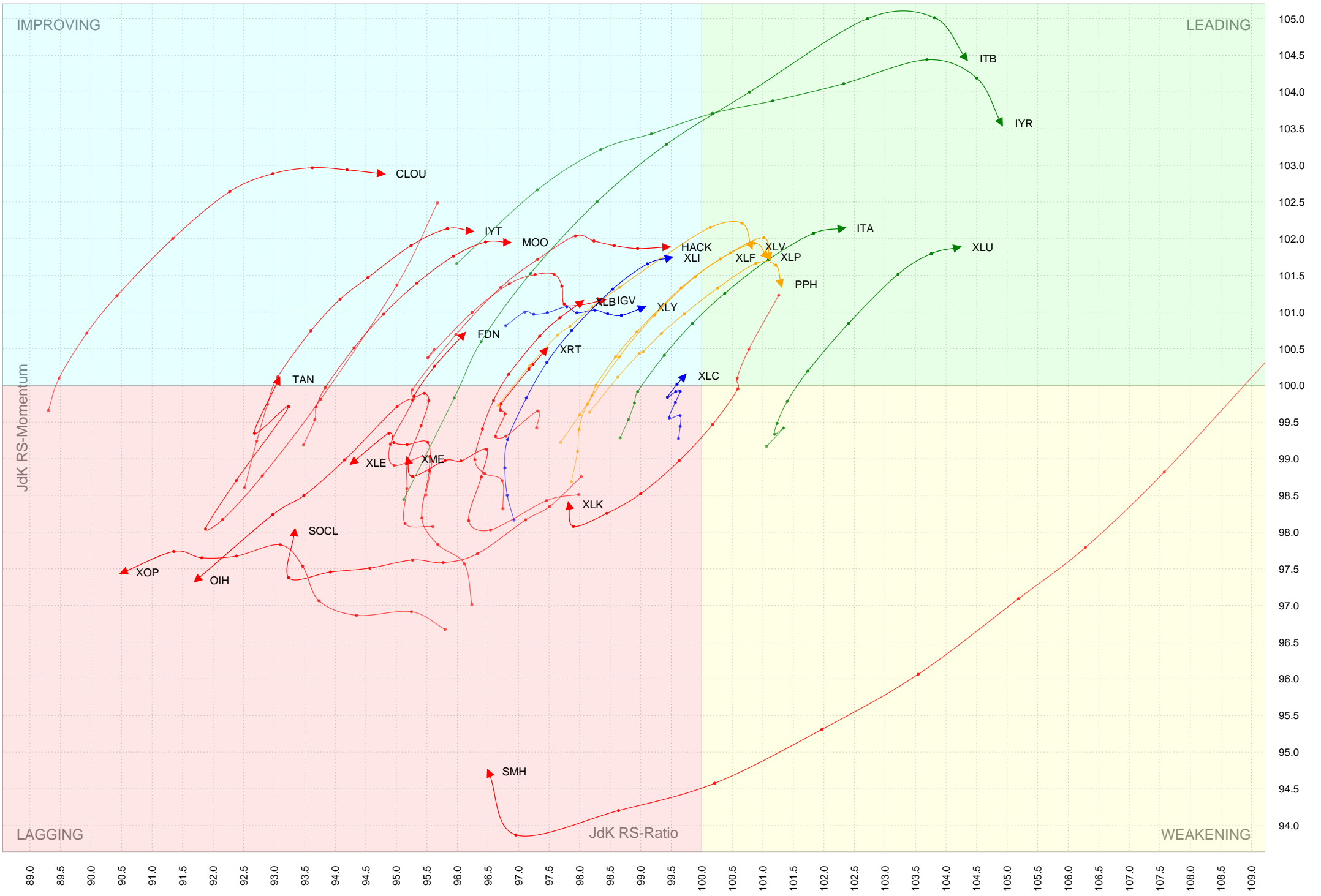
Rank	2/2/24	2/9/24	2/16/24	2/23/24	3/1/24	3/8/24	3/15/24	3/22/24	3/29/24	4/5/24	4/12/24	4/19/24	4/26/24	5/3/24	5/10/24	5/17/24	5/24/24	5/31/24	6/7/24	6/14/24
Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code
1	IYR	SMH	ITB	ITB	ITB	ITB	ITB	OIH	XLI	XLI	OIH	OIH	TAN	XLE	XOP	XOP	XLU	XOP	XME	XLU
2	TAN	TAN	TAN	TAN	TAN	SMH	SMH	XOP	XOP	OIH	XOP	XOP	SOCL	XOP	XLE	XLE	XME	XLE	XME	XLU
3	ITB	IYR	ITB	ITB	SMH	PPH	XLV	SMH	OIH	OIH	XOP	XLE	XOP	XLB	XLB	XME	XOP	XME	OIH	OIH
4	FDN	ITB	SMH	PPH	ITB	FDN	PPH	XLE	XLE	XLE	XLU	XME	XLU	XLU	OIH	XLB	XLE	XLU	XOP	XOP
5	ITA	CLOU	CLOU	SMH	FDN	XLP	FDN	XLV	XLB	TAN	TAN	XME	XLU	OIH	OIH	XLU	TAN	XLB	ITA	XLE
6	SMH	XRT	IYR	XRT	PPH	XLV	XLI	PPH	XRT	XLB	XLU	SMH	MOO	XME	SOCL	SOCL	OIH	TAN	OIH	MOO
7	CLOU	FDN	PPH	FDN	XLP	XLC	XLC	XLI	SMH	MOO	XLB	MOO	SMH	XLE	MOO	TAN	XLU	OIH	XLB	TAN
8	XRT	XLV	FDN	XLC	XLV	XLI	XLP	XLC	SMH	MOO	XLB	XLP	MOO	XME	MOO	SOCL	SOCL	MOO	MOO	XLK
9	IYR	IGV	XLV	XLV	XLC	XLV	XRT	IYR	PPH	PPH	SMH	XLP	XLB	XLB	XLP	XME	MOO	MOO	SOCL	ITA
10	XME	PPH	HACK	XLP	XLI	XLB	XLK	XLC	IYR	IYR	PPH	XLP	TAN	ITA	TAN	XLI	ITA	ITA	TAN	SOCL
11	XLK	IYR	XRT	XLI	XLV	MOO	XLV	XLV	XLP	XRT	IYR	PPH	XLP	ITA	XLP	XLI	XLP	XLV	XLV	XLV
12	IGV	XLI	XLV	XLV	XLK	XLV	XLV	TAN	ITB	XLP	XLP	TAN	ITA	XLV	XLI	ITA	XLV	XLV	XLV	PPH
13	XLV	XLV	XLI	XLK	XLB	XLK	MOO	XRT	XLV	XLV	XLV	PPH	XLI	XLI	XLV	XLV	XLV	XLV	PPH	XLV
14	XLV	HACK	XLP	MOO	MOO	XLY	IGV	XLK	XLV	XLV	XRT	XLC	XLV	XLV	XLV	PPH	XLV	XLV	XLV	XLV
15	XLI	XLK	XLC	XLB	XRT	XRT	ITB	MOO	SOCL	FDN	ITA	XLV	XLV	XLV	XLV	PPH	PPH	XLV	XLV	IYR
16	HACK	XLV	XLB	XLU	XLV	HACK	ITB	MOO	SOCL	FDN	XLY	XLY	XLC	FDN	XLV	XLC	XLI	PPH	IYR	XLK
17	XLV	XLP	XLK	IGV	XLU	ITB	HACK	XLU	IYR	SOCL	ITB	IYR	ITB	IYR	IYR	XLV	SMH	XLK	SMH	IGV
18	XLP	XLC	MOO	XLY	IGV	IGV	XLU	ITB	FDN	XLC	XLV	XRT	IYR	XLV	FDN	XLV	FDN	IYR	IGV	HACK
19	PPH	MOO	IGV	XLE	HACK	SOCL	SOCL	FDN	ITA	XLV	XLK	IYR	XLV	PPH	FDN	IYR	IYR	XLI	XLV	CLOU
20	XLC	XLB	XME	HACK	XLE	XLE	XLE	XLV	XLK	IYR	IYR	ITB	XRT	XRT	CLOU	FDN	FDN	SMH	HACK	SMH
21	MOO	ITA	XLY	XOP	XOP	OIH	IYR	IGV	XLU	ITA	XLC	SOCL	FDN	ITB	XRT	ITB	IGV	HACK	XLK	IYR
22	XLB	XLE	XLU	XME	OIH	XOP	TAN	SOCL	HACK	XLK	FDN	ITA	SOCL	CLOU	ITB	SMH	CLOU	CLOU	XLI	XRT
23	XLU	XLU	ITA	OIH	CLOU	CLOU	OIH	IYR	IGV	IGV	SOCL	FDN	CLOU	SMH	SMH	XLK	ITB	IGV	CLOU	XLV
24	XLE	XOP	XLE	IYR	SOCL	TAN	XOP	HACK	MOO	HACK	HACK	XLK	XLK	XLK	XLK	XRT	XLK	ITB	IYR	FDN
25	XOP	OIH	XOP	CLOU	ITA	ITA	ITA	TAN	XME	XME	HACK	HACK	HACK	HACK	HACK	HACK	HACK	XRT	FDN	XLI
26	OIH	XME	OIH	SOCL	IYR	IYR	CLOU	XME	XME	XLU	IGV	IGV	IGV	IGV	IGV	HACK	XRT	FDN	XRT	XLB
27	SOCL	SOCL	SOCL	ITA	XME	XME	CLOU	CLOU	CLOU	CLOU	CLOU	CLOU	CLOU	IYR	IYR	IYR	IYR	IYR	ITB	ITB

TPA-RRG U.S. SECTOR & SUBSECTOR ETFs - HISTORY

Rank	6/21/24	6/28/24	7/5/24	7/12/24	7/19/24	7/26/24	8/2/24	8/9/24	8/16/24	8/23/24	8/30/24	9/6/24	9/13/24	9/20/24	9/27/24	10/4/24	10/11/24	10/18/24	10/25/24	11/1/24
Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code
1	XLU	XLK	XLK	XLK	XLK	TAN	IYR	XLK	XLV	PPH	ITB	ITB	ITB	ITB	ITB					
2	SOCL	SOCL	SOCL	SOCL	IYR	IYR	TAN	HACK	IYR	ITA	XLI	IYR	IYR	ITA	XLV					
3	XLK	SMH	XLU	XLU	TAN	SMH	XLK	IGV	XLV	XLV	ITA	XLV	XLP	XLV	XLV					
4	MOO	XLU	TAN	IYR	XLV	XLV	ITB	XLV	TAN	OIH	PPH	ITA	XLV	PPH	XLV					
5	TAN	MOO	SMH	SMH	IGV	XLK	PPH	CLOU	IGV	FDN	XLP	XLP	XLV	XLV	XLV					
6	PPH	XLP	IYR	TAN	SMH	IGV	CLOU	XLV	XLU	XLK	XLE	XLU	PPH	PPH	TAN					
7	XLP	ITA	XLY	XLV	XLV	PPH	PPH	XLI	ITB	XLU	XLV	XLV	XLV	IYR	IYR					
8	ITA	TAN	XLC	XLV	PPH	XLP	IGV	XLK	ITA	ITB	XLV	XLU	XLI	FDN	FDN					
9	XLY	PPH	XLV	PPH	XRT	XLV	HACK	XLV	XLV	PPH	HACK	CLOU	XLI	IYR	CLOU					
10	IYR	XLV	HACK	XRT	MOO	MOO	XRT	XLU	TAN	XLU	XLB	MOO	IYR	XLU	HACK					
11	XLV	XRT	PPH	OIH	XLP	XLV	ITA	MOO	XRT	SMH	XLP	XLI	XLB	CLOU	ITA					
12	XLC	XLY	FDN	IGV	XLB	HACK	XLI	ITA	XOP	CLOU	XOP	IYR	MOO	MOO	XLU					
13	IGV	XLC	ITA	XLB	FDN	XLB	XLU	XLV	PPH	XOP	IGV	XLB	XRT	FDN	XLB					
14	HACK	HACK	CLOU	HACK	OIH	ITA	XLB	XLV	XLE	XRT	XLK	HACK	CLOU	XLB	IYR					
15	SMH	CLOU	XRT	IYR	ITA	XRT	MOO	XLP	FDN	OIH	CLOU	XLY	HACK	HACK	IGV					
16	CLOU	IYR	IYR	CLOU	HACK	XLI	XLV	SMH	XLP	SOCL	SOCL	IGV	IGV	IGV	XLY					
17	IYR	IYR	XLP	MOO	IYR	FDN	FDN	SOCL	XME	HACK	SMH	XLC	XLY	XLC	XLI					
18	OIH	IGV	MOO	FDN	SOCL	OIH	XLP	FDN	HACK	IYR	XLC	XRT	XLC	XLY	MOO					
19	XLE	OIH	IGV	XLP	CLOU	IYR	XME	XLE	XLP	SOCL	FDN	FDN	FDN	XRT	XRT					
20	XOP	FDN	OIH	ITA	ITB	XLU	OIH	IYR	ITB	XLV	ITA	XLE	XLE	XLE	XLC					
21	XLV	XLV	XLV	ITB	XLU	CLOU	XLE	OIH	SOCL	IYR	XRT	XME	XME	XOP	XME					
22	XRT	XLI	XLB	XME	XME	SOCL	XOP	XRT	XLB	XME	XLV	SOCL	XOP	OIH	SOCL					
23	XLB	XLB	XLI	XLC	XLC	ITB	IYR	XOP	OIH	XLB	IYR	XOP	SOCL	XME	XLE					
24	XLI	ITB	XME	XLV	XLV	SOCL	XME	ITB	XLE	IYR	TAN	OIH	TAN	XOP	XOP					
25	FDN	XME	ITB	XLI	XLI	XME	ITB	SMH	XLC	XLC	TAN	OIH	TAN	SOCL	OIH					
26	ITB	XLE	XLE	XLE	XLE	SMH	TAN	CLOU	IGV	MOO	SMH	XLK	XLK	XLK	XLK					
27	XME	XOP	XOP	XOP	XOP	XOP	XLC	XLC	MOO	MOO	XME	XLK	SMH	SMH	SMH					

Relative Rotation Graph for 27 major sector & subsector ETFs is provided below.

Also, use the following link that shows RRG over time - how sectors & subsectors move in and out of favor over time: <https://youtu.be/u5eTh8nPVQI>



LAGGING

WEAKENING

IMPROVING

LEADING

JdK RS-Momentum

JdK RS-Ratio

Click [HERE](#) for the entire Russell 1000 TPA-RRG Score and Rank Report.

You can learn more about RRGs with these links:

[Relative Rotation Graphs \(RRG\) – explanation video](#) (Less than 4 minutes)

[What is TPA-RRG. What are RRGs.](#)

[RRG – written explanation](#)

Turning Point Analytics Disclaimer

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