

Investment Style Ratings For ETFs, Mutual Funds & Stocks

At the beginning of the first quarter of 2017, only the Large Cap Blend and All Cap Blend styles earn an Attractive-or-better rating. Our style ratings are based on the aggregation of our fund ratings for every ETF and mutual fund in each style. See last quarter's Style Ratings <u>here</u>.

Investors looking for style funds that hold quality stocks should look no further than the Large Cap Blend and All Cap Blend styles. These styles house the highest rated funds. Figures 4 through 7 provide more details. The primary driver behind an Attractive fund rating is good <u>portfolio management</u>, or good stock picking, with low <u>total annual costs</u>.

Attractive-or-better ratings do not always correlate with Attractive-or-better total annual costs. This fact underscores that (1) <u>cheap funds can dupe investors</u> and (2) investors should invest only in funds with good stocks <u>and</u> low fees.

See Figures 4 through 13 for a detailed breakdown of ratings distributions by investment style. See our <u>ETF &</u> <u>mutual fund screener</u> for rankings, ratings and reports on 7000+ mutual funds and 400+ ETFs. Our fund rating methodology is detailed <u>here</u>.

All of our reports on the best & worst ETFs and mutual funds in every investment style are available here.

Figure 1: Ratings For All Investment Styles

	Style	Overall Rating
	Small Cap Value	Dangerous
	Mid Cap Growth	Dangerous
	Mid Cap Value	Dangerous
	Small Cap Blend	Dangerous
	Small Cap Growth	Dangerous
	All Cap Growth	Neutral
	Mid Cap Blend	Neutral
	Large Cap Growth	Neutral
	All Cap Value	Neutral
	Large Cap Value	Neutral
	All Cap Blend	Attractive
	Large Cap Blend	Attractive
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Source: New Constructs, LLC and company filings

To earn an Attractive-or-better Predictive Rating, an ETF or mutual fund must have high-quality holdings and low costs. Only the top 30% of all ETFs and mutual funds earn our Attractive or better rating.

AB Core Opportunities Fund (ADGRX) is the top rated Large Cap Blend fund. It gets our Very Attractive rating by allocating over 24% of its value to Attractive-or-better-rated stocks.

Bridgeway Omni Small-Cap Value Fund (BOSVX) is the worst rated Small Cap Value fund. It gets our Very Dangerous rating by allocating over 36% of its value to Dangerous-or-worse-rated stocks. Making matters worse, it charges investors total annual costs of 0.9%.



Figure 2 shows the distribution of our Predictive Ratings for all investment style ETFs and mutual funds.

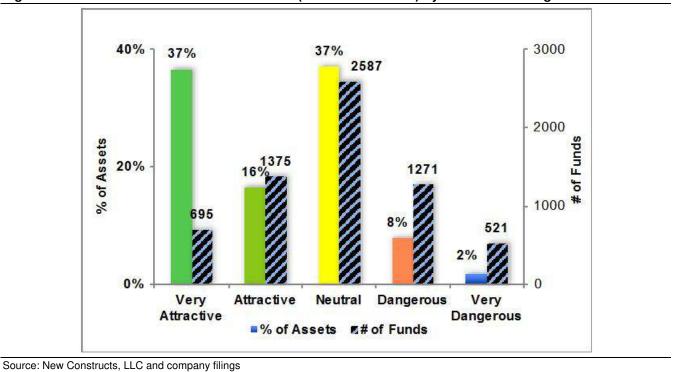


Figure 2: Distribution of ETFs & Mutual Funds (Assets and Count) by Predictive Rating

Figure 3 offers additional details on the quality of the investment style funds. Note that the average total annual

cost of Very Dangerous funds is almost 15 times that of Very Attractive funds.

Figure 3:	Predictive	Rating	Distribution	Stats
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	Very Attractive	Attractive	Neutral	Dangerous	Very Dangerous
# of ETFs & Funds	695	1375	2587	1271	521
% of ETFs & Funds	11%	21%	40%	20%	8%
% of TNA	37%	17%	37%	8%	2%
Avg TAC	0.17%	0.74%	1.16%	2.10%	2.66%
* Avg TAC = Weighted Average Total Annual Costs					

Source: New Constructs, LLC and company filings

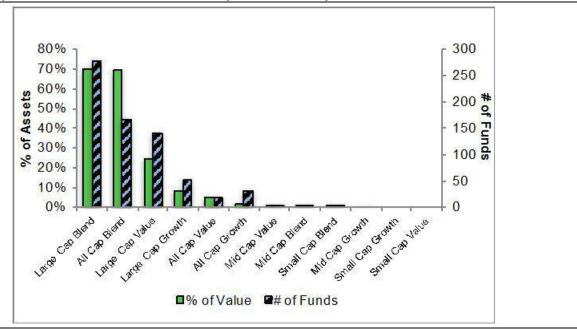
This table shows that only the best of the best funds get our Very Attractive Rating: they must hold good stocks AND have low costs. Investors deserve to have the best of both and we are here to give it to them.



Ratings by Investment Style

Figure 4 presents a mapping of Very Attractive funds by investment style. The chart shows the number of Very Attractive funds in each investment style and the percentage of assets in each style allocated to funds that are rated Very Attractive.

Figure 4: Very Attractive ETFs & Mutual Funds by Investment Style



Source: New Constructs, LLC and company filings

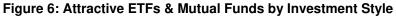
Figure 5 presents the data charted in Figure 4

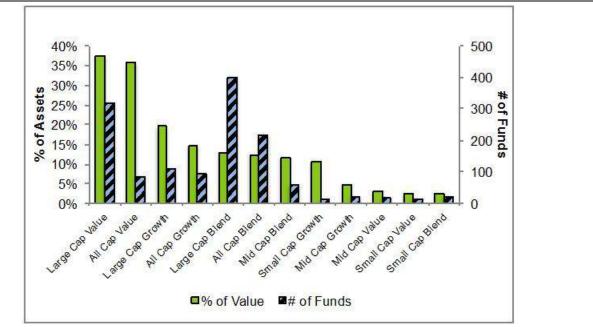
Figure 5: Very Attractive ETFs & Mutual Funds by Investment Style

Style	% of Style Assets	# of Very Attractive Funds	% of Very Attractive Funds in Style
Large Cap Blend	70%	279	30%
All Cap Blend	69%	165	22%
Large Cap Value	24%	142	16%
Large Cap Growth	9%	52	8%
All Cap Value	5%	19	6%
All Cap Growth	2%	32	6%
Mid Cap Value	0%	1	1%
Mid Cap Blend	0%	3	1%
Small Cap Blend	0%	2	0%
Small Cap Growth	0%	0	0%
Mid Cap Growth	0%	0	0%
Small Cap Value	0%	0	0%



Figure 6 presents a mapping of Attractive funds by investment style. The chart shows the number of Attractive funds in each style and the percentage of assets allocated to Attractive-rated funds in each style.





Source: New Constructs, LLC and company filings

Figure 7 presents the data charted in Figure 6.

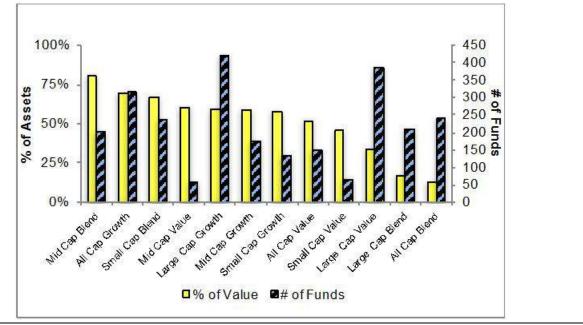
Figure 7: Attractive ETFs & Mutual Funds by Investment Style

Style	% of Style Assets	# of Attractive Funds	% of Attractive Funds in Style
Large Cap Value	37%	320	35%
All Cap Value	36%	87	27%
Large Cap Growth	20%	111	17%
All Cap Growth	15%	95	17%
Large Cap Blend	13%	400	44%
All Cap Blend	12%	218	29%
Mid Cap Blend	12%	59	15%
Small Cap Growth	11%	12	3%
Mid Cap Growth	5%	22	6%
Mid Cap Value	3%	15	11%
Small Cap Value	3%	14	5%
Small Cap Blend	2%	22	3%



Figure 8 presents a mapping of Neutral funds by investment style. The chart shows the number of Neutral funds in each investment style and the percentage of assets allocated to Neutral-rated funds in each style.

Figure 8: Neutral ETFs & Mutual Funds by Investment Style



Source: New Constructs, LLC and company filings

Figure 9 presents the data charted in Figure 8.

Figure 9: Neutral ETFs & Mutual Funds by Investment Style

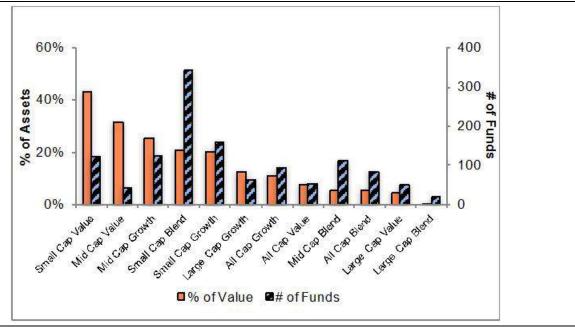
Style	% of Style Assets	# of Neutral Funds	% of Neutral Funds in Style
Mid Cap Blend	81%	201	50%
All Cap Growth	69%	317	57%
Small Cap Blend	67%	235	31%
Mid Cap Value	60%	58	43%
Large Cap Growth	59%	422	64%
Mid Cap Growth	59%	175	48%
Small Cap Growth	57%	132	33%
All Cap Value	52%	149	46%
Small Cap Value	46%	66	23%
Large Cap Value	34%	384	42%
Large Cap Blend	17%	209	23%
All Cap Blend	12%	239	32%



Figure 10 presents a mapping of Dangerous funds by fund style. The chart shows the number of Dangerous funds in each investment style and the percentage of assets allocated to Dangerous-rated funds in each style.

The landscape of style ETFs and mutual funds is littered with Dangerous funds. Investors in Small Cap Value have put over 43% of their assets in Dangerous-rated funds.

Figure 10: Dangerous ETFs & Mutual Funds by Investment Style



Source: New Constructs, LLC and company filings

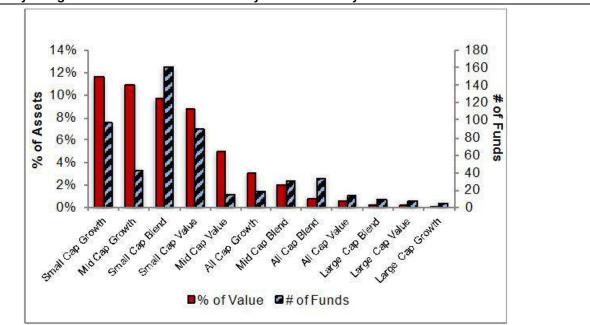
Figure 11 presents the data charted in Figure 10.

Figure 11: Dangerous ETFs & Mutual Funds by Investment Style

Style	% of Style Assets	# of Dangerous Funds	% of Dangerous Funds in Style
Small Cap Value	43%	123	42%
Mid Cap Value	31%	45	34%
Mid Cap Growth	25%	124	34%
Small Cap Blend	21%	342	45%
Small Cap Growth	20%	158	40%
Large Cap Growth	13%	65	10%
All Cap Growth	11%	95	17%
All Cap Value	7%	53	17%
Mid Cap Blend	6%	111	27%
All Cap Blend	5%	84	11%
Large Cap Value	5%	50	6%
Large Cap Blend	0%	21	2%



Figure 12 presents a mapping of Very Dangerous funds by fund style. The chart shows the number of Very Dangerous funds in each investment style and the percentage of assets in each style allocated to funds that are rated Very Dangerous.





Source: New Constructs, LLC and company filings

Figure 13 presents the data charted in Figure 12.

Style	% of Style Assets	# of Very Dangerous Funds	% of Very Dangerous Funds in Style
Small Cap Growth	12%	97	24%
Mid Cap Growth	11%	42	12%
Small Cap Blend	10%	161	21%
Small Cap Value	9%	90	31%
Mid Cap Value	5%	15	11%
All Cap Growth	3%	18	3%
Mid Cap Blend	2%	30	7%
All Cap Blend	1%	33	4%
All Cap Value	1%	13	4%
Large Cap Blend	0%	9	1%
Large Cap Value	0%	8	1%
Large Cap Growth	0%	5	1%

Source: New Constructs, LLC and company filings

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Disclosure: David Trainer, Kyle Guske and Kyle Martone receive no compensation to write about any specific stock, sector or theme.

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Appendix: Predictive Fund Rating System

New Constructs' <u>Predictive fund Ratings</u> enable smarter investing by assessing the key drivers of future fund performance. We start by analyzing every funds' holdings based on New Constructs' stock ratings, which are regularly featured as among the <u>best by Barron's</u>. Next, we measure and rank the all-in fund expenses. Finally, we rank the fund compared to all other funds to identify the best and worst funds in the market.

Intuitively, there are two drivers for future fund performance.

- 1. Stock-picking (Portfolio Management Rating) and
- 2. Fund expenses (Total Annual Costs Rating)

Our Predictive Fund Rating is based on these drivers and the fund's ranking:

- 1. Top 10% = Very Attractive Rating
- 2. Next 20% = Attractive Rating
- 3. Next 40% = Neutral Rating
- 4. Next 20% = Dangerous Rating
- 5. Bottom 10% = Very Dangerous Rating

The figure below details the criteria that drive our Predictive Rating system for funds. The two drivers of our predictive ratings system are Portfolio Management and Total Annual Costs. The Portfolio Management ratings (detail <u>here</u>) is the same as our Stock Rating (detail <u>here</u>) except that we incorporate Asset Allocation (details <u>here</u>). The Total Annual Costs Ratings (details <u>here</u>) captures the all-in costs of being in a fund over a 3-year holding period, the average period for all mutual funds.

	Portfolio Management Rating						
Predictive	Business	Strength		Valuation			Total
Rating	Quality of Earnings	Return on Invested Capital	FCF Yield	Price to Economic Book Value	Market- Implied Duration of Growth	Cash Allocation	Annual Costs
Very Dangerous	Misleading Trend	Bottom Quintile	< -5%	>3.5 or -1<0	> 50	> 20%	> 4 %
Dangerous	False Positive	4th Quintile	-5% < -1%	2.4<3.5 or <- 1	20 < 50	8% < 20%	2% < 4%
Neutral	Neutral EE	3rd Quintile	-1% < 3%	1.6 < 2.4	10 < 20	2.5% < 8%	1% < 2%
Attractive	Positive EE	2nd Quintile	3% < 10%	1.1 < 1.6	3 < 10	1% < 2.5%	0.5% < 1%
Very Attractive	Rising EE	Top Quintile	> 10%	0 < 1.1	0 < 3	<1%	< 0.5%



New Constructs[®] – Profile

How New Constructs Creates Value for Clients

- We find it. You benefit. Cutting-edge technology enables us to scale our <u>forensic accounting</u> <u>expertise</u> across 3000+ stocks. We shine a light in the dark corners of SEC filings so our clients can make safer, more informed decisions.
- Our <u>stock rating methodology</u> instantly informs you of the quality of the business and the fairness of the stock's valuation. We do the diligence on earnings quality and valuation so you don't have to.
- In-depth risk/reward analysis underpins our ratings. Our rating methodology grades every stock, ETF, and mutual fund according to what we believe are the 5 most important criteria for assessing the quality of an equity. Each grade reflects the balance of potential risk and reward of buying that equity. Our analysis results in the 5 ratings described below. Very Attractive and Attractive correspond to a "Buy" rating, Very Dangerous and Dangerous correspond to a "Sell" rating, while Neutral corresponds to a "Hold" rating.
- QUESTION: Why shouldn't fund research be as good as stock research? Why should fund investors rely on backward-looking price trends? ANSWER: They should not.
- Don't judge a fund by its cover. Take a look inside at its holdings and understand the quality of earnings and valuation of the stocks it holds. We enable you to choose the best fund based on its stock-picking merits so you do not have to rely solely on backward-looking technical metrics.
- The drivers of our <u>forward-looking fund ratings</u> are Portfolio Management (i.e. the aggregated ratings of its holdings) and Total Annual Costs. The Total Annual Costs Rating (<u>details here</u>) captures the all-in cost of being in a fund over a 3-year holding period, the average period for all fund investors.

Our Philosophy About Research

Accounting data is not designed for equity investors, but for debt investors. <u>Accounting data must be</u> <u>translated into economic earnings</u> to understand the profitability and valuation relevant to equity investors. Respected investors (e.g. Adam Smith, Warren Buffett and Ben Graham) have repeatedly emphasized that accounting results should not be used to value stocks. <u>Economic earnings</u> are what matter because they are:

- 1. Based on the complete set of financial information available.
- 2. Standard for all companies.
- 3. A more accurate representation of the true underlying cash flows of the business.

Additional Information

Incorporated in July 2002, <u>New Constructs</u> is an independent publisher of investment research that provides clients with consulting and research services. We specialize in quality-of-earnings, forensic accounting and discounted cash flow valuation analyses for all U.S. public companies. We translate accounting data from 10Ks into economic financial statements, i.e. <u>NOPAT</u>, <u>Invested Capital</u>, and <u>WACC</u>, to create <u>economic earnings models</u>, which are necessary to understand the true profitability and valuation of companies. Visit the <u>Free Archive</u> to download samples of our research. New Constructs is a <u>BBB accredited</u> business and a member of the <u>Investorside Research Association</u>.



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