



How to Avoid the Worst Sector ETFs

Question: Why are there so many ETFs?

Answer: ETF issuance is profitable, so Wall Street keeps creating more products to sell.

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The large number of ETFs has little to do with serving your best interests as an investor. More [reliable](#) & [proprietary](#) fundamental data, proven in [The Journal of Financial Economics](#), drives our research and analysis of ETF holdings and provides investors with a [new source of alpha](#). We leverage this data to identify three red flags you can use to avoid the worst ETFs:

1. Inadequate Liquidity

This issue is the easiest to avoid, and our advice is simple. Avoid all ETFs with less than \$100 million in assets. Low levels of liquidity can lead to a discrepancy between the price of the ETF and the underlying value of the securities it holds. Small ETFs also generally have lower trading volume, which translates to higher trading costs via larger bid-ask spreads.

2. High Fees

ETFs should be cheap, but not all of them are. The first step here is to benchmark what cheap means.

To ensure you are paying average or below average fees, invest only in ETFs with [total annual costs](#) below 0.51%, the average total annual costs of the 287 U.S. equity Sector ETFs we cover. The weighted average is lower at 0.24%, which highlights how investors tend to put their [money in ETFs with low fees](#).

Figure 1 shows ETFis Series Trust InfraCap MLP ETF (AMZA) is the most expensive sector ETF and Schwab U.S. REIT ETF (SCHH) is the least expensive. AdvisorShares (BEDZ, EATS) provides two of the most expensive ETFs while Fidelity (FENY, FSTA, FNCL) ETFs are among the cheapest.

Figure 1: 5 Most and Least Expensive Sector ETFs

Ticker	Name	Sector	Total Annual Cost
Most Expensive			
AMZA	ETFis Series Trust InfraCap MLP ETF	Energy	1.56%
LCLG	Logan Capital Broad Innovative Growth ETF	Technology	1.10%
BEDZ	AdvisorShares Hotel ETF	Consumer Cyclical	1.10%
EATS	AdvisorShares Restaurant ETF	Consumer Cyclical	1.10%
TIME	Clockwise Capital Innovation ETF	Technology	1.07%
Least Expensive			
SCHH	Schwab U.S. REIT ETF	Real Estate	0.08%
USRT	iShares Core U.S. REIT ETF	Real Estate	0.09%
FENY	Fidelity MSCI Energy Index ETF	Energy	0.09%
FSTA	Fidelity MSCI Consumer Staples Index ETF	Consumer Non-cyclical	0.09%
FNCL	Fidelity MSCI Financials Index ETF	Financials	0.09%

Sources: New Constructs, LLC and company filings



Investors need not pay high fees for quality holdings.¹ Fidelity MSCI Energy Index ETF (FENY) is the best ranked sector ETF in Figure 1. FENY’s Neutral [Portfolio Management rating](#) and 0.09% total annual cost earns it a Very Attractive rating.² VanEck Steel ETF (SLX) is the best ranked sector ETF overall. SLX’s Very Attractive Portfolio Management rating and 0.61% total annual cost also earns it a Very Attractive rating.

Despite having low total annual costs of 0.08%, Schwab U.S. REIT ETF (SCHH) holds poor stocks and earns our Very Unattractive. No matter how cheap an ETF looks, if it holds bad stocks, its performance will be bad.

3. Poor Holdings

An ETF’s holding have more weight in determining overall performance than its costs. Therefore, avoiding poor holdings is the most important (and hardest) part of avoiding bad ETFs. Figure 2 shows the ETFs within each sector with the worst holdings or [portfolio management ratings](#).

Figure 2: Sector ETFs with the Worst Holdings

Ticker	Name	Sector	Portfolio Management Rating
PSCM	Invesco S&P Small Cap Materials ETF	Basic Materials	Unattractive
ONLN	ProShares Online Retail ETF	Consumer Cyclical	Unattractive
PSCC	Invesco S&P Small Cap Consumer Staples ETF	Consumer Non-cyclical	Unattractive
PXJ	Invesco Dynamic Oil & Gas Services ETF	Energy	Unattractive
PSCF	Invesco S&P Small Cap Financials ETF	Financials	Unattractive
XHE	State Street SPDR S&P Health Care Equipment	Healthcare	Unattractive
JETS	U.S. Global Jets ETF	Industrials	Unattractive
HAUS	Tidal Residential REIT Income ETF	Real Estate	Very Unattractive
XWEB	State Street S&P Internet ETF	Technology	Unattractive
IGN	iShares North American Tech Multimedia	Telecom Services	Unattractive
FUTY	Fidelity MSCI Utilities Index ETF	Utilities	Very Unattractive

Sources: New Constructs, LLC and company filings

Invesco (PSCM, PSCC, PXJ, PSCF) appears more often than any other providers in Figure 2, which means that they offer the most ETFs with the worst holdings.

Tidal Residential REIT Income ETF (HAUS) is the worst rated ETF in Figure 2 based on our [predictive overall rating](#). State Street SPDR S&P Internet ETF (XWEB), State Street SPDR S&P Health Care Equipment ETF (XHE), ProShares Online Retail ETF (ONLN), U.S. Global Jets ETF (JETS), Fidelity MSCI Utilities Index ETF (FUTY), and Invesco Dynamic Oil & Gas Services ETF (PXJ) also earn a Very Unattractive predictive overall rating, which means not only do they hold poor stocks, but they also charge high total annual costs.

Our [overall ratings on ETFs](#) reflect out [stock ratings](#) of their holdings and the total annual costs of investing in the ETF.

The Danger Within

Buying an ETF without analyzing its holdings is like buying a stock without analyzing its business and finances. To put it differently, research on ETF holdings is necessary due diligence because an ETF’s performance is only as good as its holdings. Don’t just take our word for it, [see what Barron’s says](#) on this matter.

$$\text{PERFORMANCE OF ETF'S HOLDINGS} - \text{FEES} = \text{PERFORMANCE OF ETF}$$

¹ Three independent studies from respected institutions prove the superiority of our data, models, and ratings. Learn more [here](#).

² Harvard Business School features the powerful impact of our research automation technology in the case [New Constructs: Disrupting Fundamental Analysis with Robo-Analysts](#).



Analyzing each holding within funds is no small task. Our [Robo-Analyst technology](#) enables us to perform this diligence at scale and provide the [research needed](#) to [fulfill the fiduciary duty of care](#). More of the biggest names in the financial industry (see [At BlackRock, Machines Are Rising Over Managers to Pick Stocks](#)) are now leveraging technology in the investment research process. Technology may be the only solution to the dual mandate for research: cut costs and fulfill the fiduciary duty of care. Investors, clients, advisors, and analysts deserve the latest technology to get the diligence required to make prudent investment decisions.

This article was originally published on [February 10, 2023](#).

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

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1. Legacy fundamental datasets suffer from significant inaccuracies, omissions and biases.
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Best Fundamental Data in the World

Forthcoming in [The Journal of Financial Economics](#), a top peer-reviewed journal, [Core Earnings: New Data & Evidence](#) proves our Robo-Analyst technology overcomes material shortcomings in legacy firms' data collection processes to provide superior [fundamental data](#), [earnings](#) models, and [research](#). More [details](#).

Key quotes from the paper:

- “[New Constructs’] *Total Adjustments* differs significantly from the items identified and excluded from Compustat’s adjusted earnings measures. For example... 50% to 70% of the variation in *Total Adjustments* is not explained by *S&P Global’s (SPGI) Adjustments* individually.” – pp. 14, 1st para.
- “A final source of differences [between New Constructs’ and S&P Global’s data] is due to data collection oversights...we identified cases where Compustat did not collect information relating to firms’ income that is useful in assessing core earnings.” – pp. 16, 2nd para.

Superior Models

A top accounting firm features the superiority of our ROIC, NOPAT and Invested Capital research to Capital IQ & Bloomberg’s in [Getting ROIC Right](#). See the [Appendix](#) for direct comparison details.

Key quotes from the paper:

- “...an accurate calculation of ROIC requires more diligence than often occurs in some of the common, off-the-shelf ROIC calculations. Only by scouring the footnotes and the MD&A [as New Constructs does] can investors get an accurate calculation of ROIC.” – pp. 8, 5th para.
- “The majority of the difference...comes from New Constructs’ machine learning approach, which leverages technology to calculate ROIC by applying accounting adjustments that may be buried deeply in the footnotes across thousands of companies.” – pp. 4, 2nd para.

Superior Stock Ratings

Robo-Analysts’ stock ratings outperform those from human analysts as shown in this [paper](#) from Indiana’s Kelley School of Business. Bloomberg features the paper [here](#).

Key quotes from the paper:

- “the portfolios formed following the buy recommendations of Robo-Analysts earn abnormal returns that are statistically and economically significant.” – pp. 6, 3rd para.
- “Our results ultimately suggest that Robo-Analysts are a valuable, alternative information intermediary to traditional sell-side analysts.” – pp. 20, 3rd para.

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