



IWP

Neutral Rating

iShares Trust: iShares Russell Mid-Cap Growth ETF

Predictive Rating	Neutral	
Quality of Earnings Components: Ratings & Values		
Attractive	Economic vs Reported EPS	Positive EE
Very Attractive	Return on Invested Capital (ROIC)	16%
Valuation Components: Ratings & Values		
Neutral	Free Cash Flow Yield	-0%
Very Unattractive	Price to Economic Book Value Ratio	3.6
Unattractive	Growth Appreciation Period	43 year(s)
Fund Expenses: Rating & Value		
Very Attractive	Total Annual Costs	0.25%

- We do not recommend investors buy IWP.
- IWP ranks in the 31st percentile of the 650+ ETFs we cover.
- Positive EE means that economic earnings are positive because the ETF's ROIC is greater than its WACC.
- The Price to Economic Book Value Ratio compares market expectations for future cash flows to existing cash flows. When the ratio is greater than one, the market predicts cash flows will increase, and vice versa.
- Growth Appreciation Period measures the number of years of future profit growth implied by the stock price.
- Get the [PROOF](#) that our research outperforms.

ETF Details

Net Asset Value (\$MM)	\$11,934.00
Issuer	iShares
Category	Mid Cap Growth
Index	Russell Midcap Growth
Management Style	Passive
Exposure	Long
Inception Date	07/17/2001
Number of Holdings	390
Avg. Daily Volume (3 Mo.)	1,442,397
Geography	U.S.

Predictive Rating Methodology

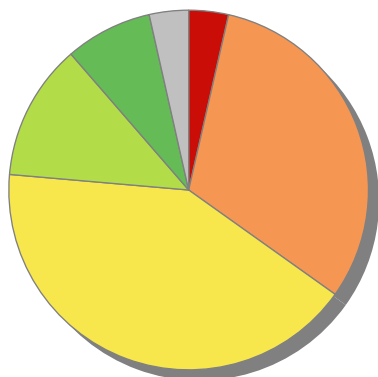
Our predictive rating is based on the aggregation of our financial models for the ETF's holdings, the fund's expenses, and the fund's overall rank.

Our ETF models enable us to assess the profitability and valuation of an ETF just like a stock.

Total Annual Costs

Expense Ratio	0.23%
Total Annual Costs	0.25%
Rank (percentile)	74%

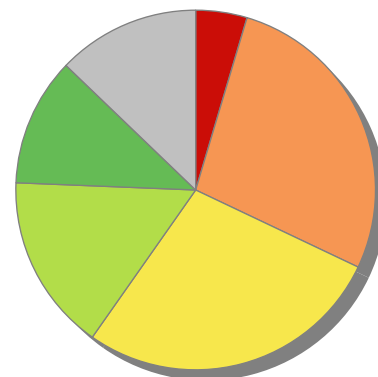
IWP's Accumulated Total Costs are \$590.42 over 10 years assuming a \$10,000 investment and 10% returns.



Allocations

4%	Very Unattractive	18
31%	Unattractive	107
42%	Neutral	108
12%	Attractive	62
8%	Very Attractive	45
4%	Unrated	50

Holdings



Top 5 Holdings

Palo Alto Networks Inc (PANW)	1.7%
Cadence Design Systems, Inc. (CDNS)	1.3%
Chipotle Mexican Grill, Inc. (CMG)	1.3%
Lululemon Athletica inc. (LULU)	1.3%
CrowdStrike Holdings, Inc. (CRWD)	1.2%

Capitalization Exposure

Large Cap	76%
Mid Cap	21%
Small Cap	0%

Our Predictive ETF Rating includes an analysis of the total cost of owning an ETF. Please contact us for more information.



Explanation of Predictive ETF Rating System

[Predictive ETF Ratings](#) enable smarter investing by assessing the key drivers of future fund performance. We start by analyzing every fund holding based on New Constructs' [stock ratings](#), which are regularly featured as among the best by [Barron's](#).

Predictive Rating	Portfolio Rating					Total Annual Costs Rating
	Quality of Earnings		Valuation			
	Economic vs Reported EPS	Return on Invested Capital (ROIC)	FCF Yield	Price-to-EBV Ratio	Growth Appreciation Period (yrs)	
Very Unattractive	Misleading Trend	Bottom Quintile	< -5%	> 3.5 or -1 < 0	> 50	> 4%
Unattractive	False Positive	4th Quintile	-5% < -1%	2.4 < 3.5 or < -1	20 < 50	2% < 4%
Neutral	Neutral EE	3rd Quintile	-1% < 3%	1.6 < 2.4	10 < 20	1% < 2%
Attractive	Positive EE	2nd Quintile	3% < 10%	1.1 < 1.6	3 < 10	0.5% < 1%
Very Attractive	Rising EE	Top Quintile	> 10%	0 < 1.1	0 < 3	< 0.5%

It's Official: We Offer the Best Fundamental Data in the World

Many firms claim their research is superior, but none of them can prove it with independent studies from highly-respected institutions as we can. Three different papers from both the public and private sectors show:

1. Legacy fundamental datasets suffer from significant inaccuracies, omissions, and biases.
2. Only our "novel database" enables investors to overcome these flaws and apply [reliable](#) fundamental data in their research.
3. Our proprietary measures of [Core Earnings](#) and [Earnings Distortion](#) materially improve stock picking and forecasting of profits.

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.

Our mission is to provide the best fundamental analysis of public and private businesses in the world and make it affordable for all investors, not just Wall Street insiders.

We believe every investor deserves to know the whole truth about the profitability and valuation of any company they consider for investment. More details on our cutting-edge technology and how we use it are [here](#).



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