

Interactive 'nutrition label' for financial products helps investors make better choices

January 17 2017

Interactive consumer information: retirement saving

Investment Grade Bond Fund A (BFA)
 Diversified fund with exposure to the U.S. bond market. 100% bond fund.

Click on the "See how changes affect fund performance" button, and change the annual growth, volatility and fees to see how they affect the fund's performance. See how changes affect fund performance

Your saving timeframe is: years Saving amount

	Last 1 year	Last 5 years	Last 20 years	
Historical growth				8 % Annual growth
Historical growth of \$1,000	\$1,079	\$1,468	\$4,656	
Benchmark comparison (S&P 500 index fund)	\$1,126	\$1,525	\$11,614	
Growth estimates	1 year estimate	5 year estimate	20 year estimate	+/- 1.1 % Volatility
Best case	\$1,091	\$1,484	\$4,707	
Average case	\$1,079	\$1,468	\$4,656	
Worst case	\$1,068	\$1,452	\$4,604	
Fees and costs	1 year	5 year	20 year	0.01 % Annual fees
Fees over time (0.01 expense ratio)	-\$0	-\$0	-\$4	
Benchmark comparison (0.8% expense ratio for S&P 500 index funds)	-\$9	-\$49	-\$607	

Apply changes

Ratings and risk


3 year rating ★★★★★

5 year rating ★★★★★

10 year rating ★★★★★

C	A
Return	Risk
C	A
Return	Risk
C	A
Return	Risk

Recommendation



Recommended to you for
Stable income

Credit: NYU Tandon School of Engineering

Every day millions of people mulling their retirement plan saving choices go online to study the offerings at retirement fund websites. Research shows, however, that they often choose high fee options, underinvest or don't invest at all because they don't understand the performance estimates, risks, recommendations, fee structures, and other disclosures that funds provide.

To address this issue, Junius Gunaratne, a doctoral student, and Oded Nov, an associate professor in the Department of Technology Management and Innovation at the NYU Tandon School of Engineering, created the first online, interactive "[nutrition label](#)" for financial products that, like the ubiquitous [information](#) nutrition panels on food and packaged goods, is simple, easy to read and uncluttered. What's more, the financial label is interactive, allowing people to easily get a sense of the long-term implications of choices they make today.

Their first tests revealed that non-expert investors significantly improved their ability to reach simulated retirement savings goals. The study also revealed that novices who invested using the interactive labels were far more likely to invest in low-fee funds - a strategy that is widely advised because of the potentially large positive effects of compound interest. Nov and Gunaratne tested variants of their interactive financial labels with 450 test subjects in a retirement simulation experiment, in which the subjects were given \$10,000 per simulation year and asked to save \$1.5 million over 35 years, distributed among 10 stock, bond, and cash funds.

The participant pool was divided into four groups: those who received "nutrition label" fund information pages requiring interactivity; those who received the same information in static form; those who received pages in which interactivity was optional; and a control group who received financial information in a format currently used by leading investment firms.

"The impetus for taking the nutrition label approach is the need to help people make sense quickly and effortlessly, taking into account future implications of possible actions they make now," said Gunaratne.

"Unlike food labeling, however, we added the ability to check out different choices and their impacts. Interactivity enabled users to learn about the attributes of funds much like repeated decision-making over time helps people better understand risk and reward," said Nov. The information label borrows layout, print size, organization, justification, typography, information design and line spacing from nutritional labels.

Gunaratne and Nov found that interactivity increased understanding and improved decision-making. Those who used the interactive version of the financial nutrition labels (whether by choice or because of the researchers' requirement) were 54% more likely to reach their goal than those in the control group.

"Our motivation is really to build something that is easy for people to understand—that they can engage with and make personal so they can achieve long-term benefits," said Nov. "This is critical because research has shown that consumers don't save in effective ways, and leave a lot of money on the table."

Gunaratne added that individual investors are paying too much and getting too little, "Which is why the U.S. has a serious problem of underfunded retirement accounts - most Americans will take serious financial hits and see reduced standards of living when retiring because they don't save effectively, due to uninformed decisions."

The findings hold policy implications: "As demonstrated in our research, interactive financial product information labels can help consumers make better and more informed decisions," the authors wrote.

"Regulators should therefore consider mandating the use of interactive

information labels for financial products, just as simpler labels are used in other contexts such as food and other consumer products."

"Using Interactive "Nutrition Labels" for Financial Products to Assist Decision Making Under Uncertainty," was recently accepted for publication in the *Journal of the Association for Information Science and Technology*.

A draft version is available at [faculty.poly.edu/~onov/Gunarat ...
Nov_JASIST_final.pdf](http://faculty.poly.edu/~onov/Gunarat...Nov_JASIST_final.pdf) .

Provided by NYU Tandon School of Engineering

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