



## The Problem

Brokerage firms do not have a web-based, intuitive, and costeffective tool to buy and sell exchange-traded funds (ETFs). Existing tools are either expensive, difficult to learn for first-time users, or have expensive licensing fees.

#### 1. Define the Universe

**Some ETFs perform better than others** in the same The investor's universe is comprised of **broad** categories of ETFs they want to invest in. Examples category. Investors use filters to determine what of categories include domestic (holdings in the constitutes a good ETF, leaving only the best results to invest in; for example, by removing ETFs with a United States) and corporate (holdings in large Price to Earnings ratio below a certain threshold. companies).

Asset Classes					
Equity			F	ixed	
Domestic				Broa	
International				Cor	
Sector				Gov	
	E ana itaa	Available ETFs			
Asset Attributes	<b>Equity</b> Domestic Equity	Fixed Inc. Broad Bond	Commodity Agriculture	Alternative Currency	
Legal Type	Int'l Equity	Corporate	Broad Comm	Real Estate	
<ul> <li>ETF Only</li> <li>ETN Only</li> </ul>	Sector Equity	Gov't	Energy	Volatility	
<ul> <li>All</li> </ul>		Municipal	Metals		

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# The Solution

Strategy Builder is a web application designed to give the investor complete control over their investments by creating a straightforward list of ETFs to invest in based on the investor's preferences and financial goals.

### 2. Filter by Criteria

#### Parameter **O**

Value-at-Risk @ 95%

Rule 0

Top (Out of Total)

	Based on inform	nation fro	m 2014-05	-30, there	are 30	
Ticker	Description					
AGG	iShares Core Total US Bond Market ETF					
BND	Vanguard Total Bond Marke	et Index Fun	d;ETF			
JNK	SPDR Barclays High Yield Bond ETF					
LQD	iShares iBoxx \$ Inv Grade C	corporate Bo	ond ETF			
PGX	PowerShares Preferred Por	tfolio				
HYG	iShares iBoxx \$ High Yield (	Available ETFs				
UUP	PowerShares DB US Dollar	Equity	Fixed Inc.	Commodity	Alterna	
EMB		Domestic	Broad			
111-120-01220	iShares JPMorgan USD Em	Domestic	Broad			
DBV	iShares JPMorgan USD Em PowerShares DB G10 Curro	Domestic Equity	Broad Bond		Curre	
NEWSCOSE		Equity			Curre	
DBV	PowerShares DB G10 Curro	Equity Int'l	Bond	Broad	Curre	
DBV CWB	PowerShares DB G10 Curro SPDR Barclays Convertible	Equity		Broad Comm	Curre	
DBV CWB FDL	PowerShares DB G10 Curro SPDR Barclays Convertible First Tr Morningstar Divider	Equity Int'l Equity	Bond		Curre	
DBV CWB FDL DVY	PowerShares DB G10 Curro SPDR Barclays Convertible First Tr Morningstar Divider iShares Select Dividend ET	Equity Int'l Equity	Bond		Curre	
DBV CWB FDL DVY VIG	PowerShares DB G10 Curre         SPDR Barclays Convertible         First Tr Morningstar Divider         iShares Select Dividend ET         Vanguard Dividend Appreci	Equity Int'l Equity	Bond	Comm	Curre	

RWL

RevenueShares Large Cap

# **UNIVERSITY** of WASHINGTON

### **3. Allocate the Results**

0 ETI ency

Metals

The investor's allocation, or distribution, methodology is calculated by using three factors: aggressiveness (acceptance of risk), algorithm (how to find the optimal mix), and **frequency** (how often to evaluate the ETFs for performance).

	EQW	MPT	APT FF		C	
. <u>≥</u>	8.33%	3.33%	3.88%	3.75%	3	
ithi	15.37%	2.48%	3.76%	2.97%	2	
No.	0.5421	1.3449	1.0321	1.2639	1.	
N/A	8.33%	3.35%	3.95%	3.78%	3	
Monthly	15.37%	2.51%	3.85%	3%	2	
Mo	0.5421	1.3328	1.0258	1.2616	1.	
Quarterly	8.33%	3.31%	2.00/	Available ETFs	2	
	15.37%	2.58%				
Qua	0.5421	1.2825		xed Inc. Commo		
<u>-</u>	8.33%	3.3%				
emu	15.37%	2.62%				
	0.5421	1.2592		- C. M. B. H	-	
Ans						
uly Ani	8.33%	3.33%				
nually Ani	8.33% 15.37%	3.33% 2.71%				

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