

Meet the retirement of your dreams

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The One Asset Class You Must Own

Paul Merriman

Merriman Education Foundation



RETIREMEET

The #1 Reason I Want Small Cap Value in Your Portfolio

Paul Merriman
The Merriman Financial
Education Foundation



OUR MISSION

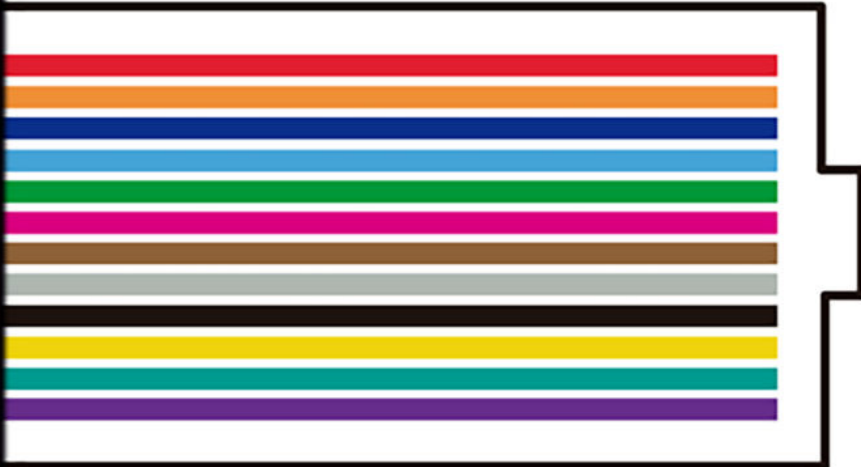
The Merriman Financial Education Foundation believes “knowledge is power” and is dedicated to providing comprehensive financial education to investors at all stages of life, with information and tools to make informed decisions in their own best interest and successfully implement their retirement savings program.



PAUL MERRIMAN & RICHARD BUCK

WE'RE TALKING MILLIONS!

12 SIMPLE WAYS TO
SUPERCHARGE
YOUR RETIREMENT



Published December 2020, this concise book is intended for young and first-time investors to learn why and how to make a handful of smart choices that can turn modest regular savings into a secure future.

You'll discover "12 Small Steps with Big Payoffs," each of which can add \$1 **million** or more to your retirement nest egg if you start in your 20s or 30s.

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SEVEN OF THE BIGGEST INVESTMENT DECISIONS

- Selecting the best equity asset classes
- How much to invest in each equity asset class
- How much in equities and fixed income
- How to take retirement distributions
- How much to take out of retirement investments
- Selecting a lifetime glide path
- Selecting the best mutual funds and ETFs



**Impact of 0.5% increase in return over a lifetime
(NO annual increase in contribution)**

<u>Inputs</u>	
Scenario 1 Accumulation Phase Average Return	8.00%
Scenario 1 Distribution Phase Average Return	6.00%
Scenario 2 Average Returns Increase	0.50%
Scenario 2 Accumulation Phase Average Return	8.50%
Scenario 2 Distribution Phase Average Return	6.50%
Initial Annual Contribution Amount	\$5,000
Annual Contribution Increase	0.00%
Start Age	21
Accumulation Duration	46
Start Retirement Age	67
Retirement Duration	30
End Retirement Age	97
Retirement Phase Withdrawal Rate	4.00%

**Impact of 0.5% increase in return over a lifetime
(NO annual increase in contribution)**

<u>Impact of 0.5% increase in return over a lifetime</u>		
<i>\$5,000 Initial Annual Contribution</i>	Scenario 1	Scenario 2
Rate of Return during Accumulation	8.00%	8.50%
Rate of Return during Distribution	6.00%	6.50%
Total Age 21 to 66 Contributions (NO annual increase)	\$230,000	\$230,000
Portfolio Value @ Age 67 (Start Retirement)	\$2,259,501	\$2,657,303
Portfolio Value @ Age 97 (End Retirement)	\$3,813,515	\$5,164,953
Total Withdrawals - 4% of Port Value / Yr (Age 67 to 97)	\$3,531,850	\$4,477,945
Total Return (Withdrawals + Final Value)	\$7,345,365	\$9,642,898
Additional lifetime benefit of 0.50% increase in return:		\$2,297,533

Equity Returns (1928-2021)

Summary Results for 55 40-year Periods (1928-2021)

	US LCB (S&P 500)	US LCV	US SCB	US SCV	S&P 500	4-Fund Combo (SCV, LCV, SCB, LCB)	2- Fund Combo All Value (SCV, LCV)
Avg 40 yr growth of \$100	\$6,499	\$15,596	\$16,875	\$39,930	\$6,499	\$17,300	\$26,258
Average 40 year CRR	11.0%	13.5%	13.7%	16.2%	11.0%	13.7%	14.9%
Best 40 year CRR	12.5%	15.6%	16.6%	19.0%	12.5%	15.9%	17.2%
Worst 40 year CRR	8.9%	8.8%	10.5%	11.6%	8.9%	10.8%	10.7%
Average 40 year SD	17.7%	19.3%	26.0%	27.9%	17.7%	21.5%	22.9%
Lowest 40 year SD	15.6%	16.3%	19.6%	21.5%	15.6%	17.4%	18.7%
Highest 40 year SD	23.2%	28.3%	34.8%	39.4%	23.2%	30.4%	33.3%

Notes: 1) Source data from Dimensional Fund Advisors, 2) Results exclude advisor fees and fund expenses.

Abbreviations: LCB - US Large Cap Blend, LCV - US Large Cap Value, SCB - US Small Cap Blend, SCV - US Small Cap Value, CRR - Compound Rate of Return, SD - Standard Deviation.

Fine Tuning Table - US SCV vs S&P 500 Equity Portfolio

Index returns reduced by a representative expense ratio. Monthly rebalancing.

	100%											S&P	5CV
Year	S&P 500	10/90	20/80	30/70	40/60	50/50	60/40	70/30	80/20	90/10	US SCV	Out-Perf	Out-Perf
1970	4.0%	3.5%	3.0%	2.5%	2.0%	1.5%	0.9%	0.3%	-0.2%	-0.8%	-1.5%	5.4%	
1971	14.3%	14.4%	14.6%	14.7%	14.8%	14.8%	14.9%	14.9%	14.9%	14.9%	14.9%		0.6%
1972	18.9%	17.8%	16.7%	15.6%	14.5%	13.4%	12.2%	11.1%	9.9%	8.7%	7.6%	11.4%	
1973	-14.7%	-16.3%	-17.9%	-19.5%	-21.1%	-22.7%	-24.3%	-25.8%	-27.4%	-28.9%	-30.4%	15.7%	
1974	-26.5%	-25.5%	-24.6%	-23.6%	-22.8%	-21.9%	-21.1%	-20.3%	-19.5%	-18.7%	-18.0%		8.5%
1975	37.2%	40.0%	42.8%	45.7%	48.5%	51.3%	54.1%	56.9%	59.7%	62.5%	65.2%		28.1%
1976	23.8%	27.0%	30.3%	33.6%	37.0%	40.4%	43.9%	47.4%	51.0%	54.6%	58.2%		34.4%
1977	-7.2%	-4.6%	-1.9%	0.9%	3.7%	6.6%	9.6%	12.6%	15.8%	18.9%	22.2%		29.4%
1978	6.5%	8.2%	9.8%	11.5%	13.1%	14.8%	16.4%	18.0%	19.6%	21.2%	22.8%		16.3%
1979	18.4%	20.0%	21.6%	23.3%	24.9%	26.6%	28.2%	29.9%	31.6%	33.3%	35.0%		16.7%
1980	32.4%	31.6%	30.8%	30.0%	29.2%	28.3%	27.5%	26.6%	25.7%	24.9%	24.0%	8.4%	
1981	-4.9%	-2.6%	-0.3%	2.1%	4.6%	7.1%	9.6%	12.2%	14.8%	17.5%	20.2%		25.1%
1982	21.4%	22.9%	24.4%	25.9%	27.5%	29.0%	30.6%	32.1%	33.7%	35.3%	36.8%		15.5%
1983	22.5%	25.0%	27.5%	30.1%	32.7%	35.4%	38.0%	40.8%	43.5%	46.3%	49.1%		26.6%
1984	6.2%	5.8%	5.4%	4.9%	4.5%	4.1%	3.7%	3.2%	2.8%	2.4%	1.9%	4.3%	
1985	32.1%	31.9%	31.6%	31.3%	31.0%	30.7%	30.4%	30.1%	29.8%	29.5%	29.2%	3.0%	
1986	18.4%	17.4%	16.4%	15.4%	14.4%	13.4%	12.4%	11.4%	10.4%	9.4%	8.4%	10.0%	
1987	5.2%	4.1%	3.0%	1.9%	0.8%	-0.4%	-1.5%	-2.6%	-3.7%	-4.8%	-6.0%	11.2%	
1988	16.8%	18.4%	20.1%	21.8%	23.5%	25.2%	26.9%	28.6%	30.3%	32.0%	33.8%		17.0%
1989	31.5%	29.6%	27.7%	25.8%	24.0%	22.2%	20.3%	18.5%	16.8%	15.0%	13.2%	18.2%	
1990	-3.1%	-5.4%	-7.6%	-9.8%	-12.0%	-14.1%	-16.1%	-18.2%	-20.2%	-22.1%	-24.0%	20.9%	
1991	30.4%	32.0%	33.6%	35.3%	36.9%	38.5%	40.1%	41.8%	43.4%	45.1%	46.7%		16.3%
1992	7.6%	10.1%	12.7%	15.3%	17.9%	20.6%	23.3%	26.1%	28.9%	31.7%	34.5%		26.9%
1993	10.0%	11.6%	13.3%	14.9%	16.5%	18.2%	19.9%	21.6%	23.3%	25.0%	26.8%		16.7%
1994	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	1.2%	0.1%	
1995	37.5%	36.7%	35.9%	35.1%	34.3%	33.4%	32.6%	31.8%	30.9%	30.1%	29.3%	8.3%	
1996	22.9%	22.9%	22.9%	22.8%	22.8%	22.7%	22.7%	22.6%	22.5%	22.4%	22.3%		0.6%
1997	33.3%	33.2%	33.0%	32.8%	32.6%	32.3%	32.1%	31.8%	31.5%	31.1%	30.7%	2.6%	
1998	28.5%	24.5%	20.5%	16.7%	13.0%	9.4%	5.8%	2.4%	-0.9%	-4.2%	-7.3%	35.8%	
1999	21.0%	20.3%	19.6%	18.9%	18.1%	17.4%	16.5%	15.7%	14.8%	14.0%	13.0%	8.0%	
2000	-9.1%	-7.3%	-5.5%	-3.7%	-1.9%	-0.1%	1.7%	3.6%	5.4%	7.2%	9.0%		18.1%
2001	-11.9%	-8.8%	-5.7%	-2.4%	0.9%	4.3%	7.8%	11.4%	15.1%	18.8%	22.7%		34.6%
2002	-22.1%	-20.8%	-19.5%	-18.2%	-16.9%	-15.6%	-14.3%	-13.0%	-11.8%	-10.5%	-9.3%		12.9%
2003	28.7%	31.5%	34.4%	37.4%	40.4%	43.4%	46.5%	49.7%	52.9%	56.1%	59.4%		30.8%
2004	10.8%	12.3%	13.7%	15.1%	16.6%	18.0%	19.5%	21.0%	22.4%	23.9%	25.4%		14.5%
2005	4.9%	5.2%	5.5%	5.8%	6.1%	6.4%	6.7%	7.0%	7.3%	7.5%	7.8%		2.9%
2006	15.8%	16.4%	17.0%	17.6%	18.2%	18.7%	19.3%	19.9%	20.5%	21.0%	21.5%		5.8%
2007	5.5%	3.8%	2.1%	0.4%	-1.3%	-2.9%	-4.5%	-6.1%	-7.7%	-9.2%	-10.7%		
2008	-37.0%	-37.0%	-36.9%	-36.8%	-36.8%	-36.8%	-36.8%	-36.8%	-36.8%	-36.8%	-36.8%	16.2%	0.2%
2009	26.4%	27.3%	28.1%	28.9%	29.6%	30.4%	31.1%	31.8%	32.4%	33.0%	33.6%		7.2%
2010	15.0%	16.6%	18.2%	19.8%	21.3%	22.9%	24.5%	26.1%	27.7%	29.3%	30.9%		15.9%
2011	2.1%	1.1%	0.2%	-0.8%	-1.8%	-2.7%	-3.7%	-4.6%	-5.6%	-6.6%	-7.5%	9.6%	
2012	16.0%	16.5%	17.1%	17.7%	18.3%	18.9%	19.4%	20.0%	20.6%	21.2%	21.7%		5.8%
2013	32.3%	33.3%	34.3%	35.3%	36.3%	37.3%	38.3%	39.3%	40.4%	41.4%	42.4%		10.0%
2014	13.7%	12.6%	11.6%	10.6%	9.6%	8.6%	7.6%	6.5%	5.5%	4.5%	3.5%	10.2%	
2015	1.4%	0.4%	-0.5%	-1.4%	-2.3%	-3.2%	-4.1%	-5.0%	-6.0%	-6.9%	-7.8%	9.2%	
2016	11.9%	13.5%	15.1%	16.8%	18.4%	20.0%	21.6%	23.3%	24.9%	26.6%	28.3%		16.3%
2017	21.8%	20.3%	18.8%	17.3%	15.9%	14.4%	13.0%	11.5%	10.1%	8.6%	7.2%	14.6%	
2018	-4.4%	-5.5%	-6.6%	-7.7%	-8.8%	-9.8%	-10.9%	-12.0%	-13.0%	-14.1%	-15.1%	10.7%	
2019	31.4%	30.1%	28.8%	27.5%	26.2%	24.8%	23.5%	22.2%	20.8%	19.5%	18.1%	13.3%	
2020	18.4%	16.9%	15.4%	13.9%	12.3%	10.7%	9.1%	7.4%	5.7%	4.0%	2.2%	16.2%	
2021	28.7%	29.9%	31.1%	32.3%	33.4%	34.5%	35.6%	36.7%	37.8%	38.8%	39.8%		11.1%
Annulized Return	11.0%	11.4%	11.8%	12.1%	12.4%	12.7%	13.0%	13.3%	13.5%	13.8%	14.0%	S&P vs US SCV	
Standad Dev	16.9%	16.8%	17.0%	17.2%	17.6%	18.2%	18.9%	19.7%	20.6%	21.6%	22.7%	Summary	
Worst 3 Months	-29.7%	-30.4%	-31.1%	-31.9%	-32.6%	-33.3%	-34.0%	-34.8%	-35.5%	-37.2%	-39.0%	Years Out-Perform	
Worst 6 Months	-41.8%	-42.7%	-43.6%	-44.4%	-45.3%	-46.1%	-47.0%	-47.8%	-48.7%	-49.5%	-50.3%	S&P	US SCV
Worst 12 Months	-43.3%	-43.9%	-44.5%	-45.1%	-45.7%	-46.3%	-46.9%	-47.5%	-48.1%	-48.7%	-49.3%	24	28
Worst 36 Mos (Ann)	-16.1%	-15.8%	-16.5%	-17.2%	-17.9%	-18.6%	-19.3%	-20.0%	-20.7%	-21.4%	-22.1%	Avg. Out-Perf Rtn.	
Worst 60 Mos (Ann)	-6.7%	-6.8%	-6.9%	-7.0%	-7.2%	-7.3%	-7.5%	-7.6%	-7.8%	-8.0%	-8.2%	S&P	US SCV
Worst Drawdown	-51.0%	-51.6%	-52.4%	-53.5%	-54.7%	-55.8%	-56.9%	-58.0%	-59.1%	-60.1%	-61.2%	11.0%	16.6%

Fine Tuning Table - US SCV vs S&P 500 Equity Portfolio

Index returns reduced by a representative expense ratio. Monthly rebalancing.

Year	100% S&P 500	10/90	20/80	30/70	40/60	50/50	60/40	70/30	80/20	90/10	100% US SCV
Annulized Return	11.0%	11.4%	11.8%	12.1%	12.4%	12.7%	13.0%	13.3%	13.5%	13.8%	14.0%
Standad Dev	16.9%	16.8%	17.0%	17.2%	17.6%	18.2%	18.9%	19.7%	20.6%	21.6%	22.7%
Worst 3 Months	-29.7%	-30.4%	-31.1%	-31.9%	-32.6%	-33.3%	-34.0%	-34.8%	-35.5%	-37.2%	-39.0%
Worst 6 Months	-41.8%	-42.7%	-43.6%	-44.4%	-45.3%	-46.1%	-47.0%	-47.8%	-48.7%	-49.5%	-50.3%
Worst 12 Months	-43.3%	-43.9%	-44.5%	-45.1%	-45.7%	-46.3%	-46.9%	-47.5%	-48.1%	-48.7%	-49.3%
Worst 36 Mos (Ann)	-16.1%	-15.8%	-16.5%	-17.2%	-17.9%	-18.6%	-19.3%	-20.0%	-20.7%	-21.4%	-22.1%
Worst 60 Mos (Ann)	-6.7%	-6.8%	-6.9%	-7.0%	-7.2%	-7.3%	-7.5%	-7.6%	-7.8%	-8.0%	-8.2%
Worst Drawdown	-51.0%	-51.6%	-52.4%	-53.5%	-54.7%	-55.8%	-56.9%	-58.0%	-59.1%	-60.1%	-61.2%

S&P Out-Perf	SCV Out-Perf
S&P vs US SCV Summary	
Years Out-Perform	
S&P	US SCV
24	28
Avg. Out-Perf Rtn.	
S&P	US SCV
11.0%	16.6%

HOW OFTEN DID 90/10 OUTPERFORM THE S&P 500? (1928-2020)

- At 5 years 90/10 beat S&P 71% of the time
- At 10 years 90/10 wins 83% of the time
- At 15 years 90/10 wins 94% of the time
- At 20 years 90/10 wins 100% of the time



HOW MUCH MORE DID 90/10 MAKE OVER 40 YEAR PERIODS? (1928-2020)

- Range of additional portfolio value 9% to 33%
- Range of additional CAGR .22% to .72%
- Average additional return .52% or 23% more retirement value



Fine Tuning Table - US SCV vs S&P 500 Equity Portfolio

Index returns reduced by a representative expense ratio. Monthly rebalancing.

Year	100% S&P 500	10/90	20/80	30/70	40/60	50/50	60/40	70/30	80/20	90/10	100% US SCV
Annulized Return	11.0%	11.4%	11.8%	12.1%	12.4%	12.7%	13.0%	13.3%	13.5%	13.8%	14.0%
Standad Dev	16.9%	16.8%	17.0%	17.2%	17.6%	18.2%	18.9%	19.7%	20.6%	21.6%	22.7%
Worst 3 Months	-29.7%	-30.4%	-31.1%	-31.9%	-32.6%	-33.3%	-34.0%	-34.8%	-35.5%	-37.2%	-39.0%
Worst 6 Months	-41.8%	-42.7%	-43.6%	-44.4%	-45.3%	-46.1%	-47.0%	-47.8%	-48.7%	-49.5%	-50.3%
Worst 12 Months	-43.3%	-43.9%	-44.5%	-45.1%	-45.7%	-46.3%	-46.9%	-47.5%	-48.1%	-48.7%	-49.3%
Worst 36 Mos (Ann)	-16.1%	-15.8%	-16.5%	-17.2%	-17.9%	-18.6%	-19.3%	-20.0%	-20.7%	-21.4%	-22.1%
Worst 60 Mos (Ann)	-6.7%	-6.8%	-6.9%	-7.0%	-7.2%	-7.3%	-7.5%	-7.6%	-7.8%	-8.0%	-8.2%
Worst Drawdown	-51.0%	-51.6%	-52.4%	-53.5%	-54.7%	-55.8%	-56.9%	-58.0%	-59.1%	-60.1%	-61.2%

S&P Out-Perf	SCV Out-Perf
S&P vs US SCV Summary	
Years Out-Perform	
S&P	US SCV
24	28
Avg. Out-Perf Rtn.	
S&P	US SCV
11.0%	16.6%

Table D1.4 - Fixed Distributions: S&P 500 Equity Portfolio - Conservative (\$40,000/yr)

Initial investment \$1,000,000. Fixed initial distribution grows with inflation. Distribution at BEGINNING OF YEAR. Results reflect Fine Tuning Table returns.

Year	100% Bonds	10/90	20/80	30/70	40/60	50/50	60/40	70/30	80/20	90/10	100% Stock	S&P 500 Idx	Distribution	CPI (%)
1970	\$1,108,211	\$1,098,168	\$1,087,900	\$1,077,411	\$1,066,709	\$1,055,799	\$1,044,687	\$1,033,380	\$1,021,884	\$1,010,205	\$998,351	\$998,650	\$40,000	5.57%
1971	\$1,154,938	\$1,151,076	\$1,146,675	\$1,141,740	\$1,136,274	\$1,130,284	\$1,123,775	\$1,116,754	\$1,109,228	\$1,101,206	\$1,092,695	\$1,093,361	\$42,228	3.27%
1972	\$1,173,133	\$1,183,373	\$1,193,041	\$1,202,119	\$1,210,590	\$1,218,437	\$1,225,644	\$1,232,198	\$1,238,083	\$1,243,285	\$1,247,793	\$1,248,954	\$43,607	3.41%
1973	\$1,195,389	\$1,181,657	\$1,167,132	\$1,151,843	\$1,135,817	\$1,119,087	\$1,101,683	\$1,083,638	\$1,064,986	\$1,045,762	\$1,026,000	\$1,027,304	\$45,093	8.71%
1974	\$1,226,751	\$1,170,823	\$1,115,772	\$1,061,709	\$1,008,735	\$956,942	\$906,412	\$857,221	\$809,430	\$763,097	\$718,268	\$719,448	\$49,019	12.34%
1975	\$1,282,982	\$1,251,277	\$1,217,920	\$1,183,059	\$1,146,844	\$1,109,427	\$1,070,964	\$1,031,608	\$991,515	\$950,837	\$909,725	\$911,611	\$55,066	6.94%
1976	\$1,372,946	\$1,351,819	\$1,327,922	\$1,301,374	\$1,272,303	\$1,240,852	\$1,207,171	\$1,171,419	\$1,133,765	\$1,094,380	\$1,053,445	\$1,056,091	\$58,886	4.86%
1977	\$1,349,407	\$1,314,392	\$1,277,062	\$1,237,619	\$1,196,271	\$1,153,230	\$1,108,712	\$1,062,935	\$1,016,117	\$968,474	\$920,219	\$922,953	\$61,751	6.70%
1978	\$1,346,164	\$1,312,793	\$1,276,524	\$1,237,575	\$1,196,177	\$1,152,569	\$1,107,001	\$1,059,724	\$1,010,997	\$961,077	\$910,222	\$913,408	\$65,889	9.02%
1979	\$1,363,929	\$1,342,320	\$1,316,786	\$1,287,469	\$1,254,532	\$1,218,161	\$1,178,560	\$1,135,954	\$1,090,582	\$1,042,697	\$992,563	\$996,630	\$71,830	13.29%
1980	\$1,375,359	\$1,383,959	\$1,387,124	\$1,384,689	\$1,376,528	\$1,362,561	\$1,342,755	\$1,317,124	\$1,285,728	\$1,248,676	\$1,206,123	\$1,211,862	\$81,379	12.52%
1981	\$1,422,142	\$1,410,656	\$1,393,202	\$1,369,867	\$1,340,791	\$1,306,164	\$1,266,221	\$1,221,245	\$1,171,558	\$1,117,521	\$1,059,527	\$1,065,303	\$91,565	8.92%
1982	\$1,679,949	\$1,659,465	\$1,631,206	\$1,595,388	\$1,552,297	\$1,502,287	\$1,445,776	\$1,383,238	\$1,315,199	\$1,242,229	\$1,164,934	\$1,172,291	\$99,735	3.83%
1983	\$1,713,434	\$1,712,031	\$1,701,550	\$1,681,909	\$1,653,120	\$1,615,280	\$1,568,580	\$1,513,296	\$1,449,790	\$1,378,504	\$1,299,953	\$1,309,350	\$103,554	3.79%
1984	\$1,839,151	\$1,825,175	\$1,800,738	\$1,765,975	\$1,721,133	\$1,666,565	\$1,602,722	\$1,530,154	\$1,449,494	\$1,361,456	\$1,266,819	\$1,277,183	\$107,480	3.95%
1985	\$2,062,779	\$2,067,951	\$2,060,003	\$2,038,699	\$2,003,946	\$1,955,799	\$1,894,461	\$1,820,281	\$1,733,747	\$1,635,486	\$1,526,249	\$1,540,395	\$111,724	3.80%
1986	\$2,236,733	\$2,251,942	\$2,251,498	\$2,234,950	\$2,202,032	\$2,152,669	\$2,086,984	\$2,005,296	\$1,908,117	\$1,796,150	\$1,670,272	\$1,687,526	\$115,968	1.10%
1987	\$2,214,873	\$2,242,200	\$2,251,181	\$2,241,048	\$2,211,319	\$2,161,812	\$2,092,667	\$2,004,346	\$1,897,635	\$1,773,642	\$1,633,776	\$1,652,422	\$117,241	4.43%
1988	\$2,237,129	\$2,286,968	\$2,317,432	\$2,327,141	\$2,314,996	\$2,280,215	\$2,222,363	\$2,141,377	\$2,037,583	\$1,911,703	\$1,764,857	\$1,787,161	\$122,440	4.42%
1989	\$2,390,228	\$2,484,946	\$2,559,008	\$2,609,747	\$2,634,719	\$2,631,777	\$2,599,136	\$2,535,438	\$2,439,803	\$2,311,880	\$2,151,881	\$2,181,840	\$127,851	4.65%
1990	\$2,474,375	\$2,549,228	\$2,599,321	\$2,622,589	\$2,617,351	\$2,582,375	\$2,516,924	\$2,420,797	\$2,294,356	\$2,138,539	\$1,954,862	\$1,984,481	\$133,793	6.11%
1991	\$2,680,997	\$2,804,890	\$2,901,803	\$2,968,077	\$3,000,403	\$2,995,921	\$2,952,320	\$2,867,934	\$2,741,811	\$2,573,784	\$2,364,512	\$2,403,848	\$141,963	3.06%
1992	\$2,712,992	\$2,847,743	\$2,953,620	\$3,026,624	\$3,063,126	\$3,059,984	\$3,014,654	\$2,925,286	\$2,790,816	\$2,611,030	\$2,386,620	\$2,429,667	\$146,313	2.90%
1993	\$2,819,885	\$2,968,616	\$3,085,501	\$3,166,114	\$3,206,441	\$3,203,016	\$3,153,036	\$3,054,473	\$2,906,174	\$2,707,933	\$2,460,552	\$2,508,668	\$150,557	2.75%
1994	\$2,574,371	\$2,731,677	\$2,859,262	\$2,952,313	\$3,006,347	\$3,017,353	\$2,981,920	\$2,897,374	\$2,761,888	\$2,574,580	\$2,335,597	\$2,385,048	\$154,695	2.67%
1995	\$2,790,553	\$3,025,248	\$3,231,690	\$3,402,281	\$3,529,366	\$3,605,426	\$3,623,290	\$3,576,352	\$3,458,798	\$3,265,829	\$2,993,866	\$3,062,775	\$158,833	2.54%
1996	\$2,716,458	\$3,012,232	\$3,287,129	\$3,531,410	\$3,734,651	\$3,885,941	\$3,974,116	\$3,988,041	\$3,916,914	\$3,750,598	\$3,479,977	\$3,565,734	\$162,865	3.32%
1997	\$2,719,243	\$3,106,422	\$3,486,191	\$3,846,077	\$4,171,747	\$4,447,112	\$4,654,529	\$4,775,076	\$4,788,912	\$4,675,732	\$4,415,297	\$4,530,960	\$168,276	1.70%
1998	\$2,750,731	\$3,232,132	\$3,721,491	\$4,203,793	\$4,660,754	\$5,070,788	\$5,409,107	\$5,647,960	\$5,757,036	\$5,704,046	\$5,455,477	\$5,605,801	\$171,141	1.61%
1999	\$2,589,145	\$3,132,888	\$3,704,564	\$4,288,958	\$4,866,102	\$5,410,871	\$5,892,722	\$6,275,590	\$6,518,003	\$6,573,447	\$6,391,015	\$6,574,857	\$173,899	2.68%
2000	\$2,682,827	\$3,225,878	\$3,776,381	\$4,316,834	\$4,826,128	\$5,279,620	\$5,649,366	\$5,904,532	\$6,012,006	\$5,937,214	\$5,645,132	\$5,813,946	\$178,568	3.39%
2001	\$2,694,832	\$3,221,793	\$3,734,978	\$4,215,930	\$4,643,997	\$4,996,780	\$5,250,715	\$5,381,801	\$5,366,457	\$5,182,472	\$4,810,030	\$4,960,240	\$184,615	1.55%
2002	\$2,794,225	\$3,272,197	\$3,699,603	\$4,060,151	\$4,337,958	\$4,518,226	\$4,587,938	\$4,536,543	\$4,356,586	\$4,044,253	\$3,599,789	\$3,717,905	\$187,480	2.38%
2003	\$2,691,975	\$3,259,356	\$3,795,855	\$4,280,237	\$4,690,021	\$5,002,249	\$5,194,401	\$5,245,392	\$5,136,632	\$4,853,085	\$4,384,264	\$4,537,555	\$191,936	1.88%
2004	\$2,572,593	\$3,181,306	\$3,766,580	\$4,305,292	\$4,772,331	\$5,141,375	\$5,385,862	\$5,480,092	\$5,400,447	\$5,126,650	\$4,643,021	\$4,814,370	\$195,544	3.26%
2005	\$2,411,750	\$3,041,330	\$3,650,876	\$4,216,268	\$4,711,039	\$5,107,178	\$5,376,117	\$5,489,908	\$5,422,521	\$5,151,211	\$4,657,901	\$4,839,060	\$201,910	3.42%
2006	\$2,264,863	\$2,947,451	\$3,625,007	\$4,271,264	\$4,856,180	\$5,346,630	\$5,707,377	\$5,902,311	\$5,895,930	\$5,655,005	\$5,150,364	\$5,361,667	\$208,806	2.54%
2007	\$2,247,174	\$2,985,625	\$3,713,358	\$4,401,643	\$5,018,084	\$5,527,481	\$5,892,977	\$6,077,476	\$6,045,278	\$5,763,888	\$5,205,884	\$5,430,351	\$214,111	4.08%
2008	\$2,191,484	\$2,842,478	\$3,410,650	\$3,875,193	\$4,217,324	\$4,421,308	\$4,475,413	\$4,372,733	\$4,111,802	\$3,696,970	\$3,138,478	\$3,280,879	\$222,850	0.09%
2009	\$1,991,026	\$2,714,772	\$3,383,482	\$3,968,483	\$4,441,145	\$4,774,311	\$4,943,802	\$4,929,917	\$4,718,827	\$4,303,757	\$3,685,865	\$3,867,038	\$223,054	2.72%
2010	\$1,860,761	\$2,652,443	\$3,399,693	\$4,068,859	\$4,625,278	\$5,034,960	\$5,266,457	\$5,292,796	\$5,093,363	\$4,655,581	\$3,976,270	\$4,185,915	\$229,124	1.50%
2011	\$1,753,393	\$2,594,888	\$3,380,938	\$4,075,905	\$4,643,869	\$5,050,501	\$5,265,076	\$5,262,478	\$5,025,065	\$4,544,248	\$3,821,642	\$4,036,860	\$232,551	2.96%
2012	\$1,550,537	\$2,444,024	\$3,301,962	\$4,084,239	\$4,748,486	\$5,252,103	\$5,554,582	\$5,619,994	\$5,419,485	\$4,933,603	\$4,154,248	\$4,405,140	\$239,440	1.74%
2013	\$1,259,560	\$2,190,375	\$3,144,028	\$4,076,855	\$4,937,067	\$5,666,261	\$6,201,650	\$6,479,002	\$6,436,172	\$6,017,054	\$5,175,704	\$5,509,373	\$243,608	1.50%
2014	\$1,036,070	\$2,010,320	\$3,029,260	\$4,047,634	\$5,009,552	\$5,849,632	\$6,495,042	\$6,868,464	\$6,891,917	\$6,491,299	\$5,601,405	\$5,982,411	\$247,267	0.76%
2015	\$793,275	\$1,777,937	\$2,810,048	\$3,843,367	\$4,820,680	\$5,675,009	\$6,331,784	\$6,711,958	\$6,736,039	\$6,328,838	\$5,424,707	\$5,812,613	\$249,137	0.73%
2016	\$553,974	\$1,575,070	\$2,665,175	\$3,776,949	\$4,849,555	\$5,809,446	\$6,572,249	\$7,045,856	\$7,134,670	\$6,744,926	\$5,790,806	\$6,226,828	\$250,955	2.07%
2017	\$302,532	\$1,364,618	\$2,538,539	\$3,778,442	\$5,020,136	\$6,180,466	\$7,157,967	\$7,835,068	\$8,081,999	\$7,762,463	\$6,740,955	\$7,274,156	\$256,161	2.11%
2018	\$41,289	\$1,107,089	\$2,275,279	\$3,497,967	\$4,709,853	\$5,828,183	\$6,754,049	\$7,375,220	\$7,570,620	\$7,216,405	\$6,193,444	\$6,705,135	\$261,564	1.91%
2019		\$923,892	\$2,254,328	\$3,701,855	\$5,194,728	\$6,634,225	\$7,893,992	\$8,821,450	\$9,241,651	\$8,963,839	\$7,790,761	\$8,465,851	\$266,560	2.29%
2020		\$713,668	\$2,195,837	\$3,839,764	\$5,565,895	\$7,260,341	\$8,773,231	\$9,919,683	\$10,484,048	\$10,227,814	\$8,901,350	\$9,703,526	\$272,651	1.36%
2021		\$453,101	\$2,038,614	\$3,878,716	\$5,899,851	\$7,981,017	\$9,946,661	\$11,562,192	\$12,533,391	\$12,510,902	\$11,100,823	\$12,136,833	\$276,365	7.04%

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UBH (50-50) - 2021 Returns (Rebuild R3.2).xlsx / Fixed \$40K - S&P (BoY)

Total Distributions (1970-2021) = \$8,208,900

Table D14.4 - Fixed Distributions: S&P+US SCV Equity Portfolio - Conservative (\$40,000/yr)

Initial investment \$1,000,000. Fixed initial distribution grows with inflation. Distribution at BEGINNING OF YEAR. Results reflect Fine Tuning Table returns.

Year	100% Bonds	10/90	20/80	30/70	40/60	50/50	60/40	70/30	80/20	90/10	100% Stock	S&P 500 Idx	Distribution	CPI (%)
1970	\$1,108,211	\$1,096,009	\$1,083,510	\$1,070,726	\$1,057,666	\$1,044,342	\$1,030,763	\$1,016,941	\$1,002,887	\$988,612	\$974,127	\$998,650	\$40,000	5.57%
1971	\$1,154,938	\$1,149,995	\$1,144,234	\$1,137,665	\$1,130,300	\$1,122,153	\$1,113,237	\$1,103,568	\$1,093,165	\$1,082,044	\$1,070,226	\$1,093,361	\$42,228	3.27%
1972	\$1,173,133	\$1,176,822	\$1,179,495	\$1,181,144	\$1,181,762	\$1,181,346	\$1,179,892	\$1,177,400	\$1,173,873	\$1,169,316	\$1,163,734	\$1,248,954	\$43,607	3.41%
1973	\$1,195,389	\$1,164,470	\$1,132,817	\$1,100,527	\$1,067,693	\$1,034,412	\$1,000,775	\$966,877	\$932,807	\$898,653	\$864,501	\$1,027,304	\$45,093	8.71%
1974	\$1,226,751	\$1,159,694	\$1,094,093	\$1,030,103	\$967,864	\$907,499	\$849,114	\$792,798	\$738,625	\$686,651	\$636,919	\$719,448	\$49,019	12.34%
1975	\$1,282,982	\$1,252,540	\$1,219,268	\$1,183,394	\$1,145,158	\$1,104,807	\$1,062,596	\$1,018,782	\$973,624	\$927,379	\$880,302	\$911,611	\$55,066	6.94%
1976	\$1,372,946	\$1,371,406	\$1,365,130	\$1,354,133	\$1,338,465	\$1,318,213	\$1,293,495	\$1,264,461	\$1,231,293	\$1,194,198	\$1,153,409	\$1,056,091	\$58,886	4.86%
1977	\$1,349,407	\$1,352,971	\$1,351,554	\$1,345,116	\$1,333,657	\$1,317,215	\$1,295,867	\$1,269,724	\$1,238,936	\$1,203,681	\$1,164,172	\$922,953	\$61,751	6.70%
1978	\$1,346,164	\$1,364,159	\$1,376,601	\$1,383,272	\$1,384,000	\$1,378,662	\$1,367,188	\$1,349,564	\$1,325,825	\$1,296,062	\$1,260,417	\$913,408	\$65,889	9.02%
1979	\$1,363,929	\$1,407,679	\$1,446,140	\$1,478,749	\$1,504,974	\$1,524,325	\$1,536,357	\$1,540,682	\$1,536,969	\$1,524,954	\$1,504,441	\$996,630	\$71,830	13.29%
1980	\$1,375,359	\$1,451,375	\$1,523,253	\$1,589,953	\$1,650,424	\$1,703,618	\$1,748,509	\$1,784,104	\$1,809,462	\$1,823,708	\$1,826,054	\$1,211,862	\$81,379	12.52%
1981	\$1,422,142	\$1,501,978	\$1,576,610	\$1,644,917	\$1,705,779	\$1,758,102	\$1,800,833	\$1,832,976	\$1,853,614	\$1,861,921	\$1,857,184	\$1,065,303	\$91,565	8.92%
1982	\$1,679,949	\$1,785,562	\$1,884,680	\$1,975,775	\$2,057,317	\$2,127,810	\$2,185,809	\$2,229,950	\$2,258,977	\$2,271,764	\$2,267,341	\$1,172,291	\$99,735	3.83%
1983	\$1,713,434	\$1,869,874	\$2,024,903	\$2,176,381	\$2,321,999	\$2,459,303	\$2,585,720	\$2,698,598	\$2,795,235	\$2,872,929	\$2,929,017	\$1,309,350	\$103,554	3.79%
1984	\$1,839,151	\$2,000,717	\$2,157,348	\$2,306,661	\$2,446,176	\$2,573,357	\$2,685,649	\$2,780,525	\$2,855,533	\$2,908,340	\$2,936,782	\$1,277,183	\$107,480	3.95%
1985	\$2,062,779	\$2,277,541	\$2,489,922	\$2,696,789	\$2,894,786	\$3,080,371	\$3,249,870	\$3,399,532	\$3,525,594	\$3,624,347	\$3,692,208	\$1,540,395	\$111,724	3.80%
1986	\$2,236,733	\$2,482,305	\$2,724,422	\$2,959,368	\$3,183,185	\$3,391,728	\$3,580,736	\$3,745,900	\$3,882,946	\$3,987,722	\$4,056,283	\$1,687,526	\$115,968	1.10%
1987	\$2,214,873	\$2,472,566	\$2,724,095	\$2,964,695	\$3,189,373	\$3,393,018	\$3,570,522	\$3,716,921	\$3,827,536	\$3,898,130	\$3,925,060	\$1,652,422	\$117,241	4.43%
1988	\$2,237,129	\$2,553,397	\$2,872,315	\$3,188,368	\$3,495,431	\$3,786,870	\$4,055,658	\$4,294,537	\$4,496,194	\$4,653,464	\$4,759,558	\$1,787,161	\$122,440	4.42%
1989	\$2,390,228	\$2,770,812	\$3,160,063	\$3,551,583	\$3,938,064	\$4,311,370	\$4,662,673	\$4,982,622	\$5,261,558	\$5,489,763	\$5,657,750	\$2,181,840	\$127,851	4.65%
1990	\$2,474,375	\$2,826,029	\$3,168,542	\$3,495,040	\$3,798,374	\$4,071,300	\$4,306,683	\$4,497,714	\$4,638,133	\$4,722,467	\$4,746,244	\$1,984,481	\$133,793	6.11%
1991	\$2,680,997	\$3,146,646	\$3,617,967	\$4,086,100	\$4,541,184	\$4,972,547	\$5,368,941	\$5,718,830	\$6,010,734	\$6,233,593	\$6,377,171	\$2,403,848	\$141,963	3.06%
1992	\$2,712,992	\$3,251,674	\$3,809,224	\$4,376,084	\$4,941,085	\$5,491,594	\$6,013,731	\$6,492,658	\$6,912,959	\$7,259,081	\$7,515,845	\$2,429,667	\$146,313	2.90%
1993	\$2,819,885	\$3,437,769	\$4,085,496	\$4,752,796	\$5,427,267	\$6,094,474	\$6,738,128	\$7,340,384	\$7,882,227	\$8,343,974	\$8,705,867	\$2,508,668	\$150,557	2.75%
1994	\$2,574,371	\$3,186,952	\$3,834,502	\$4,507,346	\$5,193,509	\$5,878,765	\$6,546,773	\$7,179,328	\$7,756,723	\$8,258,227	\$8,662,676	\$2,385,048	\$154,695	2.67%
1995	\$2,790,553	\$3,549,945	\$4,372,522	\$5,248,774	\$6,165,736	\$7,106,819	\$8,051,764	\$8,976,740	\$9,854,614	\$10,655,403	\$11,346,932	\$3,062,775	\$158,833	2.54%
1996	\$2,716,458	\$3,564,003	\$4,508,090	\$5,542,398	\$6,656,125	\$7,833,445	\$9,053,074	\$10,287,992	\$11,505,362	\$12,666,701	\$13,728,339	\$3,565,734	\$162,865	3.32%
1997	\$2,719,243	\$3,705,395	\$4,841,514	\$6,128,446	\$7,561,387	\$9,128,638	\$10,810,396	\$12,577,633	\$14,391,163	\$16,200,984	\$17,946,006	\$4,530,960	\$168,276	1.70%
1998	\$2,750,731	\$3,830,018	\$5,078,020	\$6,495,251	\$8,075,448	\$9,804,132	\$11,657,241	\$13,599,935	\$15,585,688	\$17,555,795	\$19,439,411	\$5,605,801	\$171,141	1.61%
1999	\$2,589,145	\$3,733,897	\$5,089,795	\$6,666,108	\$8,464,952	\$10,479,151	\$12,690,020	\$15,065,193	\$17,556,647	\$20,099,092	\$22,608,942	\$6,574,857	\$173,899	2.68%
2000	\$2,682,827	\$3,917,750	\$5,357,368	\$7,004,297	\$8,853,006	\$10,887,958	\$13,081,832	\$15,393,953	\$17,769,081	\$20,136,733	\$22,411,199	\$5,813,946	\$178,568	3.39%
2001	\$2,694,832	\$4,022,245	\$5,564,214	\$7,320,278	\$9,280,597	\$11,424,098	\$13,716,809	\$16,110,527	\$18,542,015	\$20,932,881	\$23,190,319	\$4,960,240	\$184,615	1.55%
2002	\$2,794,225	\$4,167,911	\$5,696,077	\$7,360,982	\$9,135,768	\$10,983,963	\$12,859,443	\$14,706,936	\$16,463,167	\$18,058,663	\$19,420,237	\$3,717,905	\$187,480	2.38%
2003	\$2,691,975	\$4,255,666	\$6,093,677	\$8,206,850	\$10,583,397	\$13,196,338	\$16,001,277	\$18,934,742	\$21,913,353	\$24,834,088	\$27,575,856	\$4,537,555	\$191,936	1.88%
2004	\$2,572,593	\$4,243,691	\$6,251,928	\$8,610,715	\$11,319,843	\$14,361,700	\$17,697,624	\$21,264,688	\$24,973,271	\$28,705,816	\$32,317,152	\$4,814,370	\$195,544	3.26%
2005	\$2,411,750	\$4,133,100	\$6,217,845	\$8,684,278	\$11,536,546	\$14,760,368	\$18,318,802	\$22,148,411	\$26,156,218	\$30,217,904	\$34,177,699	\$4,839,060	\$201,910	3.42%
2006	\$2,264,863	\$4,095,006	\$6,363,682	\$9,108,229	\$12,351,973	\$16,098,384	\$20,324,858	\$24,976,501	\$29,960,415	\$35,141,092	\$40,337,596	\$5,361,667	\$208,806	2.54%
2007	\$2,247,174	\$4,205,235	\$6,588,048	\$9,418,595	\$12,703,205	\$16,426,383	\$20,545,689	\$24,987,122	\$29,641,483	\$34,362,286	\$38,965,775	\$5,430,351	\$214,111	4.08%
2008	\$2,191,484	\$4,101,646	\$6,232,033	\$8,551,539	\$11,014,135	\$13,558,605	\$16,109,277	\$18,577,882	\$20,866,618	\$22,872,389	\$24,492,086	\$3,280,879	\$222,850	0.09%
2009	\$1,991,026	\$4,037,693	\$6,433,215	\$9,162,840	\$12,190,919	\$15,458,328	\$18,881,072	\$22,350,468	\$25,735,248	\$28,885,812	\$31,640,680	\$3,867,038	\$223,054	2.72%
2010	\$1,860,761	\$4,094,914	\$6,786,916	\$9,937,459	\$13,521,551	\$17,483,675	\$21,734,203	\$26,147,717	\$30,563,866	\$34,791,250	\$38,614,654	\$4,185,915	\$229,124	1.50%
2011	\$1,753,393	\$4,124,812	\$6,938,843	\$10,180,680	\$13,807,982	\$17,747,266	\$21,892,001	\$26,103,002	\$30,211,577	\$34,025,747	\$37,339,546	\$4,036,860	\$232,551	2.96%
2012	\$1,550,537	\$4,041,890	\$7,077,825	\$10,664,624	\$14,777,768	\$19,355,661	\$24,294,873	\$29,447,786	\$34,623,445	\$39,592,307	\$44,095,264	\$4,405,140	\$239,440	1.74%
2013	\$1,259,560	\$3,795,813	\$7,080,645	\$11,191,221	\$16,175,528	\$22,039,182	\$28,731,937	\$36,135,227	\$44,052,361	\$52,203,159	\$60,224,832	\$5,509,373	\$243,608	1.50%
2014	\$1,036,070	\$3,655,388	\$7,083,808	\$11,415,678	\$16,716,288	\$23,006,935	\$30,249,230	\$38,330,066	\$47,049,055	\$56,110,537	\$65,122,279	\$5,982,411	\$247,267	0.76%
2015	\$793,275	\$3,422,734	\$6,844,486	\$11,142,559	\$16,369,834	\$22,533,687	\$29,581,327	\$37,386,303	\$45,737,990	\$54,336,033	\$62,791,720	\$5,812,613	\$249,137	0.73%
2016	\$553,974	\$3,296,426	\$6,970,274	\$11,708,481	\$17,615,989	\$24,750,938	\$33,103,985	\$42,577,387	\$52,966,109	\$63,943,698	\$75,055,922	\$6,226,828	\$250,955	2.07%
2017	\$302,532	\$3,126,156	\$6,987,689	\$12,063,123	\$18,505,842	\$26,424,697	\$35,858,520	\$46,748,702	\$58,912,296	\$72,018,903	\$85,575,168	\$7,274,156	\$256,161	2.11%
2018	\$41,289	\$2,858,873	\$6,645,374	\$11,539,629	\$17,650,239	\$25,035,514	\$33,681,523	\$43,480,122	\$54,209,467	\$65,520,019	\$76,929,281	\$6,705,135	\$261,564	1.91%
2019		\$2,836,513	\$7,093,101	\$12,734,375	\$19,941,445	\$28,843,094	\$39,485,145	\$51,797,668	\$65,563,189	\$80,390,064	\$95,695,820	\$8,465,851	\$266,560	2.29%
2020		\$2,796,345	\$7,483,178	\$13,739,715	\$21,769,490	\$31,710,041	\$43,595,850	\$57,319,653	\$72,596,513	\$88,936,172	\$105,629,875	\$9,703,526	\$272,651	1.36%
2021		\$2,623,116	\$7,724,864	\$14,857,242	\$24,413,683	\$36,744,287	\$52,101,732	\$70,576,800	\$92,028,121	\$116,013,395	\$141,731,922	\$12,136,833	\$276,365	7.04%

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UBH (50-50) - 2021 Returns (Rebuild R3.2).xlsx / Fixed \$40K - SP+USSCV (BoY)

Total Distributions (1970-2021) = \$8,208,900

Table D1.4 - Fixed Distributions: S&P 500 Equity Portfolio - Conservative (\$40,000/yr)

Initial investment \$1,000,000. Fixed initial distribution grows with inflation. Distribution at BEGINNING OF YEAR. Results reflect Fine Tuning Table returns.

Year	100% Bonds	10/90	20/80	30/70	40/60	50/50	60/40	70/30	80/20	90/10	100% Stock	S&P 500 Idx	Distribution	CPI (%)
2021		\$453,101	\$2,038,614	\$3,878,716	\$5,899,851	\$7,981,017	\$9,946,661	\$11,562,192	\$12,533,391	\$12,510,902	\$11,100,823	\$12,136,833	\$276,365	7.04%

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UBH (50-50) - 2021 Returns (Rebuild R3.2).xlsx / Fixed \$40K - S&P (BoY)

Total Distributions (1970-2021) = \$8,208,900

Table D14.4 - Fixed Distributions: S&P+US SCV Equity Portfolio - Conservative (\$40,000/yr)

Initial investment \$1,000,000. Fixed initial distribution grows with inflation. Distribution at BEGINNING OF YEAR. Results reflect Fine Tuning Table returns.

Year	100% Bonds	10/90	20/80	30/70	40/60	50/50	60/40	70/30	80/20	90/10	100% Stock	S&P 500 Idx	Distribution	CPI (%)
2021		\$2,623,116	\$7,724,864	\$14,857,242	\$24,413,683	\$36,744,287	\$52,101,732	\$70,576,800	\$92,028,121	\$116,013,395	\$141,731,922	\$12,136,833	\$276,365	7.04%

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UBH (50-50) - 2021 Returns (Rebuild R3.2).xlsx / Fixed \$40K - SP+USSCV (BoY)

Total Distributions (1970-2021) = \$8,208,900



5 Years Can Make You a Multi-Millionaire!!!

The First 5 Years Make You a Millionaire

Assumptions:

All accounts earn 12%/yr, every year, tax free.

Roth IRA funded \$6,000/yr on Jan 1st, Roth 401(k) funded \$500/mo on 1st of the month.

Roth IRA/Roth 401(k) contributions start at age 21.

Contributions are made for 5 years, ending at age 25

Roth 401(k) account may receive a 50% match.

Retirement is at age 65.

Retirement withdrawals are 5% of the previous year end account balance.

Plan ends at age 95.

Results	nominal \$			real (age 21) \$		
	Roth IRA	Roth 401k (no match)	Roth 401k (50% Match)	Roth IRA	Roth 401k (no match)	Roth 401k (50% Match)
Value of account at end of funding, age 25:	\$42,691	\$40,552	\$60,828	\$36,826	\$34,980	\$52,471
Value of account at retirement, age 65:	\$3,546,832	\$3,369,094	\$5,053,641	\$966,057	\$917,646	\$1,376,469
Total retirement Withdrawals, age 65 to 95:	\$15,047,879	\$14,293,803	\$21,440,704	\$2,413,416	\$2,292,476	\$3,438,713
Final Value of account at end of plan, age 95:	\$22,808,116	\$21,665,161	\$32,497,742	\$2,559,380	\$2,431,125	\$3,646,688
Total Lifetime Benefit: (withdrawals + final value)	\$37,855,995	\$35,958,964	\$53,938,446	\$4,972,796	\$4,723,601	\$7,085,401

THE MERRIMAN FINANCIAL EDUCATION FOUNDATION LIFETIME INVESTMENT CALCULATOR

The calculator aims to bring the annual Merriman "Best Advice" to life so that community members can enter their own analysis, dive deeper into the recommended Merriman strategies, and draw conclusions from the foundation's work.



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