

# Model Portfolio Analysis

Prepared by:

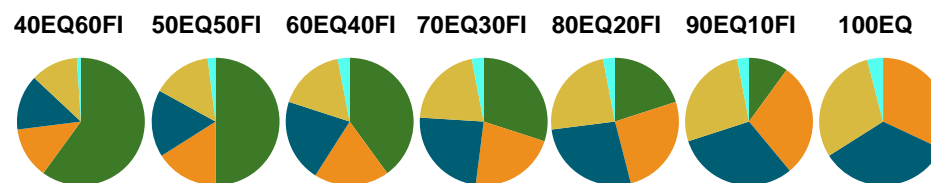
**Mark Walhout, CFP®, CIM®**

**January 27, 2020**

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# Summary Statistics



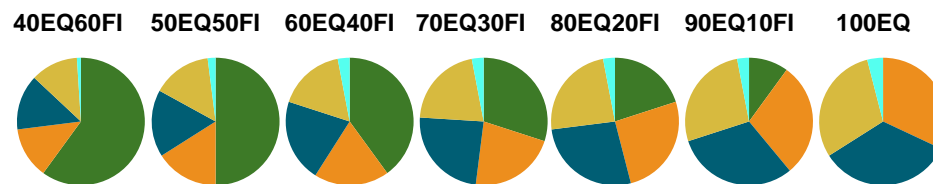
## Model Portfolios

	40EQ60FI	50EQ50FI	60EQ40FI	70EQ30FI	80EQ20FI	90EQ10FI	100EQ
Fixed Income	60.00%	50.00%	40.00%	30.00%	20.00%	10.00%	
Canadian Equity	13.00%	16.00%	19.00%	22.00%	26.00%	29.00%	32.00%
US Equity	14.00%	17.00%	21.00%	24.00%	27.00%	31.00%	34.00%
International Equity	12.00%	15.00%	17.00%	21.00%	24.00%	27.00%	30.00%
Real Estate	1.00%	2.00%	3.00%	3.00%	3.00%	4.00%	4.00%

## Historical Data, % (January 1978 - December 2018)

	40EQ60FI	50EQ50FI	60EQ40FI	70EQ30FI	80EQ20FI	90EQ10FI	100EQ
Annualized Return	6.98	7.39	7.82	8.18	8.53	8.89	9.23
Annualized Standard Deviation	5.44	6.49	7.57	8.71	9.87	11.01	12.17
Worst one-year return	-15.01	-18.68	-22.12	-25.42	-28.65	-31.75	-34.75
Best one-year return	32.11	35.18	38.74	42.26	46.35	50.28	54.38
Worst five-year annualized return	-0.61	-1.36	-2.15	-2.89	-3.58	-4.38	-5.16
Best five-year annualized return	19.14	21.15	23.07	25.27	27.35	29.46	31.59
Inflation since January 1978	3.32	3.32	3.32	3.32	3.32	3.32	3.32

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## Model Portfolios

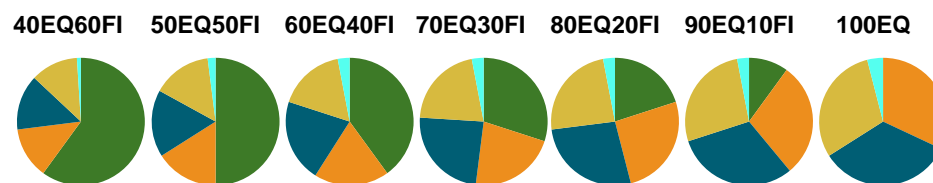
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## Distribution of Annual Returns (1978 - 2018)

Range	>=	<						
-30	-25						1	1
-25	-20				1	1		
-20	-15		1	1			1	1
-15	-10	1			1	1	2	2
-10	-5	1	1	2	2	2		2
-5	0	5	5	4	5	5	5	3
0	5	9	5	4	2	2	1	1
5	10	11	13	12	11	10	9	7
10	15	9	9	9	8	5	5	7
15	20	4	6	7	5	9	10	9
20	25	1		1	5	4	5	1
25	30		1	1		1	1	6
30	35				1	1		
35	40						1	1
40	45							

Data is in Canadian Dollars and net of 1.00% advisor fee and 0.45% assumed MER. Assumptions used in historical data from Jan 1978 to Dec 2018, selected by Mark Walhout, Investia Financial Services Inc., includes Fixed Income (25% FTSE TMX Canada Long Term Bond Index, 75% Canadian 1-Month T-bills), Canadian Equity (S&P/TSX Composite Index), US Equity (S&P 500 Index), International Equity (MSCI EAFE Index (net div.)), and Real Estate (01/1978 – 06/1989: DJ US Select REIT Index; 07/1989 – Present: S&P Global REIT Index (gross div.)). FTSE data published with the permission of FTSE. S&P/TSX data copyright 2019 S&P Dow Jones Indices LLC, a division of S&P Global. All rights reserved. S&P data copyright 2019 S&P Dow Jones Indices LLC, a division of S&P Global. All rights reserved. MSCI data copyright MSCI 2019, all rights reserved. Dow Jones data copyright 2019 S&P Dow Jones Indices LLC, a division of S&P Global. All rights reserved.

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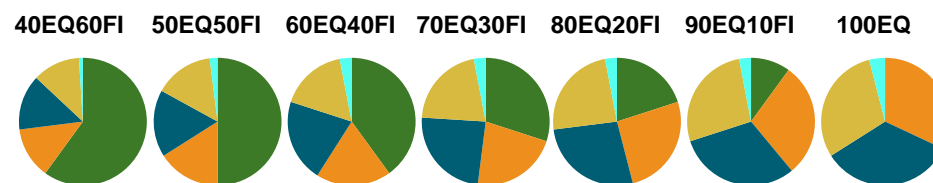
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## Annual Returns (1978 - 2018)

	40EQ60FI	50EQ50FI	60EQ40FI	70EQ30FI	80EQ20FI	90EQ10FI	100EQ
1978	14.18	16.30	18.18	20.55	22.81	24.96	27.18
1979	11.94	13.40	15.01	16.06	17.51	18.81	20.16
1980	17.16	19.25	21.44	23.43	25.47	27.57	29.64
1981	4.79	2.98	1.16	-0.80	-2.82	-4.64	-6.49
1982	16.83	15.88	15.16	13.95	12.78	11.83	10.79
1983	15.26	17.15	19.04	20.89	22.86	24.78	26.74
1984	9.70	9.47	9.20	8.80	8.21	7.88	7.45
1985	22.56	25.09	27.44	30.55	33.34	36.19	39.08
1986	16.23	17.92	19.19	21.34	22.97	24.73	26.47
1987	6.06	6.01	5.71	5.81	5.73	5.40	5.04
1988	9.16	9.36	9.45	9.74	9.96	10.13	10.31
1989	13.88	14.34	14.99	15.45	16.03	16.55	17.09
1990	-0.23	-2.71	-4.96	-7.43	-9.79	-12.05	-14.30

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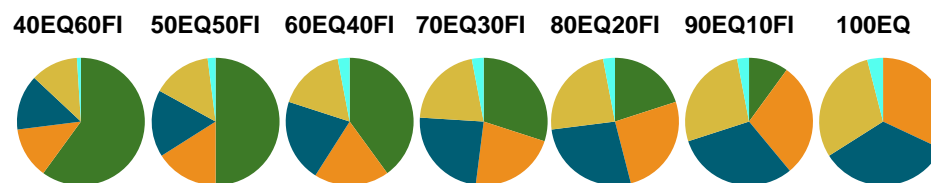
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1991	13.86	14.37	15.05	15.44	15.82	16.35	16.81
1992	5.45	5.16	5.06	4.63	4.20	3.95	3.64
1993	14.58	16.44	18.09	20.11	22.10	23.95	25.88
1994	2.47	2.99	3.44	4.04	4.49	5.01	5.50
1995	12.95	13.57	14.42	15.00	15.65	16.37	17.05
1996	10.52	11.83	13.32	14.42	15.73	17.04	18.36
1997	10.54	11.83	13.42	14.59	15.85	17.27	18.64
1998	10.83	12.00	13.22	14.67	15.80	17.11	18.32
1999	7.64	9.25	10.82	12.77	14.85	16.59	18.46
2000	2.08	1.39	0.76	-0.32	-1.22	-2.09	-2.97
2001	-2.82	-4.16	-5.41	-7.11	-8.76	-10.20	-11.71
2002	-5.73	-7.66	-9.64	-11.75	-13.80	-15.78	-17.75
2003	7.11	8.15	9.11	10.14	11.28	12.23	13.24

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Real Estate	1.00%	2.00%	3.00%	3.00%	3.00%	4.00%	4.00%

## Annual Returns (1978 - 2018)

<b>2004</b>	4.95	5.62	6.21	6.76	7.34	7.90	8.46
<b>2005</b>	6.42	7.07	7.63	8.29	9.08	9.65	10.29
<b>2006</b>	8.63	10.33	11.96	13.58	15.13	16.81	18.45
<b>2007</b>	-0.12	-0.96	-1.84	-2.46	-2.94	-3.74	-4.42
<b>2008</b>	-12.05	-15.20	-18.18	-21.17	-24.10	-26.89	-29.62
<b>2009</b>	7.06	8.79	10.47	12.17	14.06	15.71	17.43
<b>2010</b>	4.63	5.33	6.09	6.62	7.30	7.91	8.53
<b>2011</b>	-0.17	-1.07	-1.82	-2.86	-3.89	-4.76	-5.69
<b>2012</b>	4.38	5.42	6.44	7.42	8.33	9.34	10.33
<b>2013</b>	8.38	11.04	13.85	16.83	19.70	22.79	25.88
<b>2014</b>	6.82	7.79	8.97	9.68	10.45	11.44	12.36
<b>2015</b>	3.40	4.31	5.25	6.13	6.75	7.71	8.55
<b>2016</b>	2.81	3.56	4.41	5.09	5.99	6.72	7.50
<b>2017</b>	4.98	5.96	6.92	8.06	9.14	10.20	11.28
<b>2018</b>	-2.08	-2.49	-2.80	-3.32	-3.87	-4.27	-4.73

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