On Persistence in Mutual Fund Performance

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	Monthly		CAMP			4-Factor Model					
	excess	Std			Adj						Adj
Portfolio	Return	Dev	Alpha	RMRF	R-Sq	Alpha	RMRF	SMB	HML	Mom	R-Sq
1(high)	0.77%	5.4%	0.37%	1.03	0.75	-0.05%	0.87	0.62	-0.04	0.34	0.88
			(2.58)	(32.6)		(-0.44)	(34.76)	(17.02)	(-0.93)	(11.87)	
2	0.64%	5.22%	0.23%	1.06	0.86	0.03%	0.92	0.44	-0.16	0.21	0.93
			(2.17)	(46.41)		(0.35)	(50.59)	(16.66)	(-5.29)	(10.05)	
3	0.49%	5.12%	0.08%	1.05	0.88	-0.09%	0.93	0.38	-0.17	0.2	0.95
			(0.87)	(51.48)		(-1.33)	(57.07)	(15.99)	(-6.17)	(10.64)	
4	0.42%	4.98%	0.02%	1.03	0.9	-0.14%	0.92	0.36	-0.15	0.18	0.96
			(0.2)	(56.06)		(-2.39)	(64.56)	(17.29)	(-6.23)	(10.93)	
5	0.47%	4.83%	0.07%	1.03	0.94	-0.03%	0.94	0.27	-0.12	0.12	0.97
			(1.14)	(73.63)		(-0.62)	(85.02)	(16.48)	(-6.81)	(9.66)	
6	0.33%	4.72%	-0.06%	1.0	0.93	-0.12%	0.91	0.25	-0.13	0.08	0.96
			(-0.92)	(68.15)		(-2.07)	(69.08)	(12.91)	(-6.2)	(5.19)	
7	0.33%	4.91%	-0.08%	1.04	0.94	-0.11%	0.96	0.27	-0.09	0.02	0.96
			(-1.16)	(72.1)		(-2.02)	(72.86)	(13.95)	(-3.95)	(1.58)	
8	0.27%	4.86%	-0.13%	1.03	0.93	-0.11%	0.94	0.24	-0.14	0.0	0.95
			(-1.93)	(68.16)		(-1.85)	(65.71)	(11.4)	(-6.12)	(0.08)	
9	0.18%	4.91%	-0.22%	1.02	0.9	-0.18%	0.93	0.27	-0.13	-0.04	0.93
			(-2.71)	(57.07)		(-2.42)	(52.85)	(10.23)	(-4.47)	(-1.75)	
10(low)	-0.03%	5.01%	-0.4%	0.95	0.75	-0.27%	0.88	0.27	-0.04	-0.19	0.79
			(-2.94)	(32.26)		(-2.06)	(28.45)	(5.86)	(-0.81)	(-5.2)	
1-10 spread	0.8%	3.67%	0.77%	0.08	0.01	0.23%	-0.02	0.36	0.0	0.53	0.29
			(3.9)	(1.77)		(1.27)	(-0.4)	(5.8)	(0.05)	(10.95)	

Table 1: Portfolios of Mutual Funds Formed on Lagged 1-Year Return:1963-1993

Portfolio	Monthly excess Return	Std Dev	CAMP Alpha	CAMP RMRF	CAMP Adj R-Sq	4-Factor Model Alpha	4-Factor Model RMRF	4-Factor Model SMB	4-Factor Model HML	4-Factor Model Mom	4-Factor Model Adj R-Sq
1(high)	0.62%	5.31%	-0.02%	1.03	0.69	-0.17%	1.02	0.49	-0.12	0.29	0.89
			(-0.11)	(25.98)		(-1.64)	(40.06)	(14.98)	(-3.33)	(13.04)	
2	0.61%	4.68%	-0.03%	1.02	0.87	-0.12%	1.01	0.33	0.04	0.14	0.95
			(-0.26)	(44.93)		(-1.95)	(64.64)	(16.44)	(2.0)	(10.71)	
3	0.58%	4.44%	-0.05%	1.0	0.95	-0.11%	1.0	0.2	0.07	0.08	0.97
			(-0.77)	(72.51)		(-2.47)	(92.78)	(14.07)	(4.65)	(8.08)	
4	0.52%	4.3%	-0.1%	0.98	0.97	-0.14%	0.98	0.13	0.07	0.04	0.98
			(-2.18)	(94.19)		(-3.84)	(108.64)	(11.53)	(5.7)	(5.41)	
5	0.5%	4.13%	-0.09%	0.95	0.98	-0.11%	0.94	0.07	0.07	-0.0	0.98
			(-2.51)	(111.58)		(-3.06)	(110.96)	(6.14)	(5.55)	(-0.32)	
6	0.45%	4.14%	-0.14%	0.95	0.97	-0.13%	0.93	0.05	0.04	-0.04	0.98
			(-3.69)	(106.19)		(-3.47)	(103.34)	(4.34)	(2.8)	(-4.9)	
7	0.43%	4.17%	-0.16%	0.95	0.96	-0.13%	0.92	0.07	0.06	-0.07	0.97
			(-3.15)	(80.39)		(-2.92)	(81.24)	(4.54)	(3.97)	(-6.63)	
8	0.42%	4.16%	-0.16%	0.93	0.93	-0.13%	0.91	0.06	0.08	-0.07	0.94
			(-2.54)	(62.95)		(-2.29)	(62.37)	(2.95)	(4.07)	(-5.93)	
9	0.41%	4.22%	-0.17%	0.92	0.88	-0.11%	0.88	0.06	0.08	-0.12	0.9
			(-1.95)	(46.43)		(-1.41)	(45.39)	(2.47)	(2.76)	(-7.05)	
10(low)	0.17%	4.55%	-0.39%	0.89	0.7	-0.2%	0.77	0.13	0.01	-0.3	0.8
			(-2.67)	(26.56)		(-1.67)	(26.07)	(3.49)	(0.12)	(-11.78)	
1-10 spread	0.46%	4.52%	0.37%	0.14	0.01	0.03%	0.25	0.36	-0.12	0.59	0.55
			(1.41)	(2.33)		(0.17)	(5.58)	(6.28)	(-2.0)	(15.4)	

Table 2: Portfolios of Mutual Funds Formed on Lagged 1-Year Return:1993-2018

Portfolio	Monthly excess Return	Std Dev	CAMP Alpha	CAMP RMRF	CAMP Adj R-Sq	4-Factor Model Alpha	4-Factor Model RMRF	4-Factor Model SMB	4-Factor Model HML	4-Factor Model Mom	4-Factor Model Adj R-Sq
1(high)	0.7%	5.36%	0.19%	1.03	0.73	-0.06%	0.94	0.55	-0.07	0.29	0.88
			(1.72)	(41.32)		(-0.81)	(53.04)	(22.41)	(-2.39)	(16.67)	
2	0.63%	4.98%	0.11%	1.04	0.86	-0.04%	0.98	0.36	-0.04	0.16	0.93
			(1.48)	(64.19)		(-0.71)	(79.36)	(21.2)	(-1.86)	(13.01)	
3	0.53%	4.81%	0.02%	1.03	0.91	-0.08%	0.99	0.25	-0.02	0.11	0.94
			(0.33)	(79.9)		(-1.81)	(90.08)	(16.67)	(-1.18)	(10.23)	
4	0.46%	4.67%	-0.04%	1.01	0.93	-0.12%	0.98	0.21	-0.01	0.08	0.95
			(-0.8)	(89.97)		(-2.9)	(97.54)	(15.27)	(-0.5)	(8.42)	
5	0.49%	4.52%	-0.01%	0.99	0.95	-0.05%	0.97	0.14	-0.0	0.04	0.96
			(-0.23)	(113.43)		(-1.48)	(113.83)	(11.7)	(-0.28)	(4.86)	
6	0.38%	4.46%	-0.1%	0.98	0.95	-0.11%	0.95	0.12	-0.03	0.0	0.95
			(-2.54)	(107.86)		(-2.74)	(102.97)	(9.58)	(-1.81)	(0.03)	
7	0.38%	4.58%	-0.12%	1.0	0.94	-0.12%	0.97	0.15	0.01	-0.03	0.95
			(-2.81)	(102.84)		(-2.9)	(99.66)	(10.84)	(0.64)	(-3.3)	
8	0.34%	4.54%	-0.15%	0.99	0.93	-0.13%	0.95	0.12	-0.01	-0.05	0.94
			(-3.2)	(91.49)		(-2.76)	(85.87)	(7.9)	(-0.47)	(-4.28)	
9	0.28%	4.6%	-0.2%	0.98	0.89	-0.15%	0.94	0.14	-0.01	-0.09	0.9
			(-3.41)	(72.96)		(-2.65)	(68.47)	(7.27)	(-0.29)	(-6.41)	
10(low)	0.06%	4.8%	-0.4%	0.92	0.73	-0.23%	0.85	0.19	-0.01	-0.25	0.79
			(-4.02)	(41.8)		(-2.55)	(39.96)	(6.29)	(-0.27)	(-11.81)	
1-10 spread	0.64%	4.08%	0.59%	0.1	0.01	0.17%	0.09	0.36	-0.06	0.55	0.42
			(3.66)	(2.87)		(1.33)	(2.85)	(8.72)	(-1.21)	(18.18)	

Table 3: Portfolios of Mutual Funds Formed on Lagged 1-Year Return:1963-2018