Synaptic Risk Rating Service



Fact Sheet Pru part of M&G plc

Using the Risk Rating Service

It is the responsibility of the adviser to ensure that the level of risk that their client is exposed to is appropriate for their circumstances. The online Synaptic Attitude to Risk Questionnaire can assist in performing and saving a client risk appraisal, and the Risk analysis provided in these Fact Sheets can assist in identifying a suitable investment:

- Establish with the client how much they can afford to lose (tolerance for loss)
- Establish with the client how much they are prepared to lose in relation to the investment objective under consideration
- Use the Synaptic Risk Rating Service, or Synaptic Modeller tool to establish the 'minimum gain', or 'Capacity for Loss' quotient
- Compare the numbers to see if there is alignment. Due to the subjective nature of risk, there is a reliance on the skill and experience of the adviser to ensure that 'informed consent' has been achieved, on the basis that the client understands and agrees to the risk proposition.

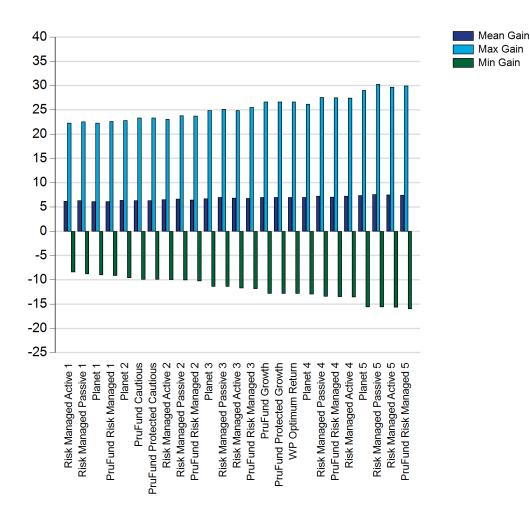
The Capacity for Loss Quotient

The Synaptic Risk Rating Service is derived from the risk framework provided by Moody's Analytic's Stochastic engine. It has been created to provide advisers with more robust, quantitative measures for risk than is generally available, and provide the opportunity for them to move away from Volatility based ratings. Projections are asset allocation of the underlying investments. The multiple scenarios modelled by the stochastic engine aim to capture the likelihood of a range of investment outcomes:

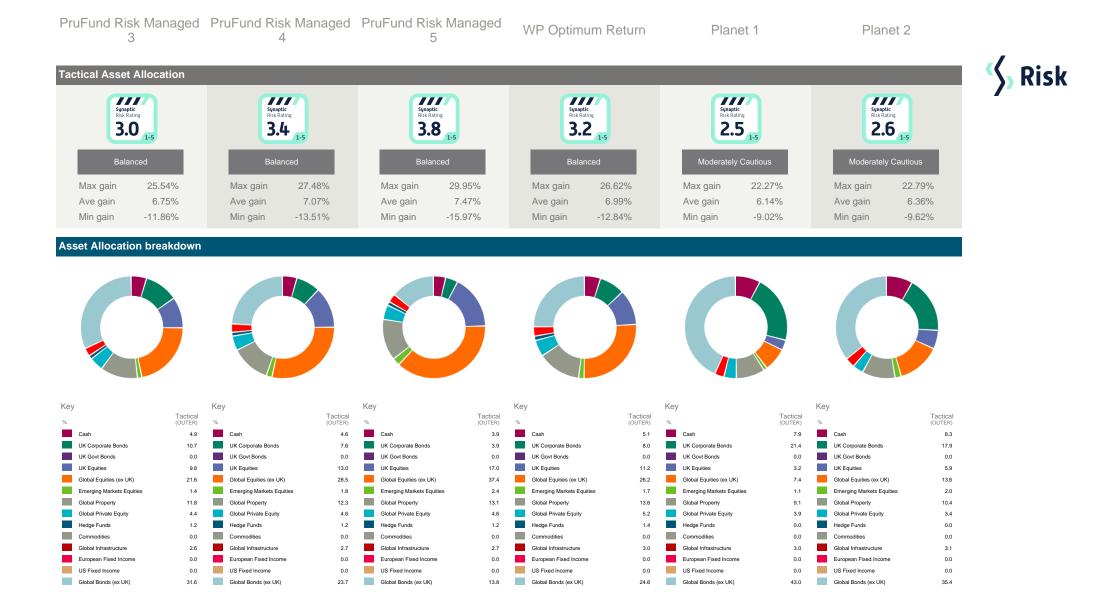
- The Minimum gain figure represents the possible loss to be sustained 5% (or 1 in 20 year event), in any one year. I.E. 'dear client, you have a 1 in 20 chance of losing 20% of your portfolio in any one year, in search of the higher returns you seek'.
- The Maximum gain figure represents the 5% of best possible outcomes returned by the model, and the Mean is the average annual growth calculated by the model.



Graph showing spread of risk using Minimum, Mean and Maximum gain figures derived from the Moody's Analytic's stochastic outputs, as applied to the Strategic asset allocation



PruFund C	autious	PruFund P Cauti		PruFund	Growth	PruFund P Grow		PruFund Risl 1	k Managed	PruFund Ris 2	-	-
Tactical Asset A	llocation											S Risk
Sunaptic Pick Rating 2.6		Synaptic Risk Ratin 2.6	ng	Synaptic Risk Rati 3.2	ng	Synaptic Risk Ratin 3.2	g	Synaptic Pisk Rati	ng	Suppir	c ing	
Moderately C	autious	Moderately	Cautious	Balan	ced	Balanc	ed	Moderately	Cautious	Moderately	Cautious	
Max gain	23.33%	Max gain	23.33%	Max gain	26.62%	Max gain	26.62%	Max gain	22.63%	Max gain	23.77%	
Ave gain	6.33%	Ave gain	6.33%	Ave gain	6.99%	Ave gain	6.99%	Ave gain	6.12%	Ave gain	6.44%	
Min gain	-9.91%	Min gain	-9.91%	Min gain	-12.84%	Min gain	-12.84%	Min gain	-9.15%	Min gain	-10.27%	
Will gain	-3.3170	wini gain	-3.3170	wini gani	-12.0+70	IVIIIT Gain	-12.0470	Will gain	-3.1370	Will gain	-10.2770	
Key		Key		Key		Key		Key		Key		
%	Tactical (OUTER)	%	Tactical (OUTER)	%	Tactical (OUTER)	%	Tactical (OUTER)	%	Tactical (OUTER)	%	Tactical (OUTER)	
Cash	4.4	Cash	4.4	Cash	5.1	Cash	5.1	Cash	6.4	Cash	5.5	
UK Corporate Bonds	15.4	UK Corporate Bonds	15.4	UK Corporate Bonds	8.0	UK Corporate Bonds	8.0	UK Corporate Bonds	16.9	UK Corporate Bonds	13.9	
UK Govt Bonds UK Equities	0.0	UK Govt Bonds UK Equities	0.0	UK Govt Bonds UK Equities	0.0	UK Govt Bonds UK Equities	0.0	UK Govt Bonds UK Equities	0.0	UK Govt Bonds UK Equities	0.0	
Global Equities (ex UK)	5.6	Global Equities (ex UK)	5.6	Global Equities (ex UK)		Global Equities (ex UK)	26.2	Global Equities (ex UK)	7.9	Global Equities (ex UK)		
Emerging Markets Equities		Emerging Markets Equiti		Emerging Markets Equit		Emerging Markets Equitie		Emerging Markets Equi		Emerging Markets Equi		
Global Property	10.4	Global Property	10.4	Global Property	13.6	Global Property	13.6	Global Property	9.2	Global Property	10.6	
Global Private Equity	3.4	Global Private Equity	3.4	Global Private Equity	5.2	Global Private Equity	5.2	Global Private Equity	4.2	Global Private Equity	4.3	
Hedge Funds	1.4	Hedge Funds	1.4	Hedge Funds	1.4	Hedge Funds	1.4	Hedge Funds	1.1	Hedge Funds	1.2	
Commodities	0.0	Commodities	0.0	Commodities	0.0	Commodities	0.0	Commodities	0.0	Commodities	0.0	
Global Infrastructure	2.8	Global Infrastructure	2.8	Global Infrastructure	3.0	Global Infrastructure	3.0	Global Infrastructure	2.4	Global Infrastructure	2.5	
European Fixed Income US Fixed Income	0.0	European Fixed Income US Fixed Income	0.0	European Fixed Income US Fixed Income	0.0	European Fixed Income	0.0	European Fixed Income	0.0	European Fixed Income US Fixed Income	0.0	
Global Bonds (ex UK)	42.8	Global Bonds (ex UK)	42.8	Global Bonds (ex UK)	24.6	Global Bonds (ex UK)	24.6	Global Bonds (ex UK)	47.8	Global Bonds (ex UK)	0.0	
	42.0		72.0		24.0		24.0	Giobai Borida (BX UK)	47.0		53.0	



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Min gain -11.3 sset Allocation brea	Min gain	-12.96%	Ave gain 7.3 Min gain -15.5	0	6.19%Ave gain-8.38%Min gain	-9.96%	0	71%
	Kuowii							
зy	Key	Key Tactical	y	Key	Key Tactical	Tactical	ey	Tactical
Cash			y Cash	Tactical (OUTER) %	Tactical (OUTER) %	Tactical (OUTER) %	-	Tactical (OUTER) 23
-	Tactical (OUTER) %	Tactical (OUTER) %	_	Tactical (OUTER) %	Tactical (OUTER) %	Tactical (OUTER) %	-	(OUTER)
Cash UK Corporate Bonds UK Govt Bonds	Tactical (OUTER) % 6.7 Cash	Tactical (OUTER) % 6.7 10.3 0.0 10.3	Cash UK Corporate Bonds UK Govt Bonds	Tactical (OUTER) % 5.8 Cash	Tactical (OUTER) % 4.1 Cash	Tactical (OUTER) % 3.4 24.0 4.2 4.2	Cash UK Corporate Bonds UK Govt Bonds	(OUTER) 2.3
Cash UK Corporate Bonds UK Govt Bonds UK Equities	Tactical (OUTER) % 6.7 Cash 14.1 UK Corporate Bonds 0.0 UK Govt Bonds 8.9 UK Equities	Tactical (OUTER) % 6.7 10.3 0.0 11.7	Cash UK Corporate Bonds UK Govt Bonds UK Equities	Tactical (OUTER) % 5.8 Cash 5.3 UK Corporate Bonds 0.0 UK Govt Bonds 15.3 UK Equities	Tactical (OUTER) % 4.1 Cash 28.9 UK Corporate Bonds 4.9 UK Govt Bonds 3.9 UK Govt Bonds	Tactical (OUTER) % 3.4 24.0 4.2 7.1	Cash UK Corporate Bonds UK Govt Bonds UK Equities	(OUTER) 2.3 18.8 3.5 10.7
Cash UK Corporate Bonds UK Govt Bonds UK Equities Global Equities (ex UK)	Tactical (OUTER) % 6.7 Cash 14.1 UK Corporate Bonds 0.0 UK Govt Bonds 8.9 UK Equities 20.4 Global Equities (x UH)	Tactical (OUTER) % 6.7 10.3 0.0 11.7 K) 27.1	Cash UK Corporate Bonds UK Govt Bonds UK Equities Global Equities (ex UK)	Tactical (OUTER) % 5.8 Cash 5.3 UK Corporate Bonds 0.0 UK Govt Bonds 15.3 UK Equities 35.6 Global Equities (cut)	Tactical (OUTER) % 4.1 Cash 28.9 UK Corporate Bonds 4.9 UK Govt Bonds 3.9 UK Equities 8.8 Global Equities (ex UK)	Tactical (OUTER) % 3.4 24.0 4.2 7.1 16.2	Cash UK Corporate Bonds UK Govt Bonds UK Equities Global Equities (ex UK)	(OUTER) 2.3 18.8 3.5 10.7 24.4
Cash UK Corporate Bonds UK Govt Bonds UK Equities Global Equities (ex UK) Emerging Markets Equities	Tactical (OUTER) % 6.7 Cash 14.1 UK Corporate Bonds 0.0 UK Govt Bonds 8.9 UK Equities 20.4 Global Equities (ex UH 3.0 Emerging Markets Equities	Tactical (OUTER) % 6.7 10.3 10.3 0.0 11.7 11.7 K) 27.1 uities 3.9	Cash UK Corporate Bonds UK Gov Bonds UK Equities Global Equities (ex UK) Emerging Markets Equities	Tactical (OUTER) % 5.8 Cash 5.3 UK Corporate Bonds 0.0 UK Govt Bonds 15.3 UK Equities 35.6 Global Equities (ex UK) 5.2 Emerging Markets Equities	Tactical % (OUTER) % 4.1 Cash 28.9 UK Corporate Bonds 4.9 UK Govt Bonds 3.9 UK Equities 8.8 Global Equities (ex UK) 0.9 Emerging Markets Equiti	Tactical (OUTER) % 3.4 24.0 4.2 7.1 16.2 as 1.4	Cash UK Corporate Bonds UK Govt Bonds UK Equities Global Equities (ex UK) Emerging Markets Equities	(OUTER) 2.3 18.8 3.5 10.7 24.4 1.9
Cash UK Corporate Bonds UK Govt Bonds UK Equities Global Equities (ex UK) Emerging Markets Equities	Tactical (OUTER) % 6.7 Cash 14.1 UK Corporate Bonds 0.0 UK Govt Bonds 8.9 UK Equities 20.4 Global Equities (x UH)	Tactical (OUTER) % 6.7 10.3 10.3 11.7 11.7 11.7 wites 3.9 12.4 12.4	Cash UK Corporate Bonds UK Gov Bonds UK Equities Global Equities (ex UK) Ermerging Markets Equities	Tactical (OUTER) % 5.8 Cash 5.3 UK Corporate Bonds 0.0 UK Govt Bonds 15.3 UK Equities 35.6 Global Equities (cut)	Tactical (OUTER) % 4.1 Cash 28.9 UK Corporate Bonds 4.9 UK Govt Bonds 3.9 UK Equities 8.8 Global Equities (ex UK)	Tactical (OUTER) % 3.4 24.0 4.2 7.1 16.2	Cash UK Corporate Bonds UK Govt Bonds UK Equities Global Equities (ex UK)	(OUTER) 2.3 18.8 3.5 10.7 24.4
Cash UK Corporate Bonds UK Govt Bonds UK Equities Global Equities (ex UK) Emerging Markets Equities Global Property	Tactical (OUTER) % 6.7 Cash 14.1 UK Corporate Bonds 0.0 UK Govt Bonds 8.9 UK Equities 20.4 Global Equities (ex UH 3.0 Emerging Markets Equities 11.7 Global Property	Tactical (OUTER) % 6.7 10.3 10.3 11.7 11.7 11.7 wites 3.9 12.4 12.4	Cash UK Corporate Bonds UK Gov Bonds UK Equities Global Equities (ex UK) Emerging Markets Equities Global Property	Tactical (OUTER) % 5.8 Cash 5.3 UK Corporate Bonds 0.0 UK Govt Bonds 15.3 UK Equities 35.6 Global Equities (ex UK) 5.2 Emerging Markets Equities 13.1 Global Property	Tactical % 4.1 Cash 28.9 UK Corporate Bonds 4.9 UK Govt Bonds 3.9 UK Equities 8.8 Global Equities (ex UK) 0.9 Emerging Markets Equities 4.4 Global Property	Tactical (OUTER) % 3.4 4.0 4.2 7.1 16.2 85 1.4 5.5	Cash UK Corporate Bonds UK Govt Bonds UK Equities Global Equities (ex UK) Emerging Markets Equities Global Property	(OUTER) 2.3 18.8 3.5 10.7 24.4 1.9 6.4
Cash UK Corporate Bonds UK Govt Bonds UK Equities Global Equities (ex UK) Emerging Markets Equities Global Property Global Private Equity Hedge Funds	Tactical (OUTR) % 6.7 Cash 14.1 UK Corporate Bonds 0.0 UK Equities 20.4 Global Equities (ex UH 3.0 Emerging Markets Equities 11.7 Global Property 3.6 Global Private Equity	Tactical (OUTER) % 6.7 10.3 0.0 11.7 (x) 22.1 (x) 23.1 (x) 23.1 (x	Cash UK Corporate Bonds UK Govt Bonds UK Equilies Global Equilies (ex UK) Emerging Markets Equilies Global Property Global Property Hedge Funds	Tactical (OUTER) % 5.8 Cash 5.3 UK Corporate Bonds 0.0 UK Govt Bonds 15.3 UK Equities 35.6 Global Equities (ex UK) 5.2 Emerging Markets Equities 1.1 Global Property 3.9 Global Private Equity	Tactical (OUTER) % 4.1 Cash 28.9 UK Corporate Bonds 4.9 UK Covr Bonds 3.9 UK Equilies 8.8 Global Equilies (ex UK) 0.9 Emerging Markets Equili 4.4 Global Private Equily 0.8 Global Private Equily	Tactical (OUTER) % 3.4 24.0 4.2 7.1 16.2 85 1.4 5.5 0.9	Cash UK Corporate Bonds UK Govt Bonds UK Equities Global Equities (ex UK) Emerging Markets Equities Global Property Global Private Equity Hedge Funds	(OUTER) 2.3 18.8 3.5 10.7 24.4 1.9 6.4 1.1
UK Corporate Bonds UK Govt Bonds UK Equities Global Equities (ex UK) Emerging Markets Equities Global Private Equity Global Private Equity Hedge Funds Commodities Global Infrastructure	Tactical (OUTER) % 6.7 Cash 14.1 UK Corporate Bonds 0.0 UK Govt Bonds 8.9 UK Equities 20.4 Global Equities (ex UF 3.0 Emerging Markets Equities 11.7 Global Property 3.6 Global Private Equity 0.0 Hedge Findes Funds 0.0 Hedge Findes 3.2 Global Infrastructure	Tacical (OUTER) % 6.7 9 10.3 0.0 11.7 9 x) 27.1 uities 3.9 12.4 9 0.0 9 0.0 9 12.4 9 3.5 9 0.0 9 0.0 9 3.2 9	Cash UK Corporate Bonds UK Govt Bonds UK Equities Global Equities (ex UK) Emerging Markets Equities Global Property Global Property Hodge Funds Commodities Global Infrastructure	Tactical (OUTER) % 5.8 Cash 5.3 UK Corporate Bonds 0.0 UK Govt Bonds 15.3 UK Equities 35.6 Global Equities (ex UK) 5.2 Emerging Markets Equities 13.1 Global Property 3.9 Global Private Equities 0.0 Hedge Funds 0.0 Commodities 3.2 Global Infrastructure	Tactical % 4.1 Cash 28.9 UK Corporate Bonds 4.9 UK Corporate Bonds 3.9 UK Corporate Bonds 3.9 UK Corporate Bonds 3.9 UK Courbonds 3.9 UK Equities 8.8 Global Equities (ex UK) 0.9 Emerging Markets Equity 4.4 Global Property 0.8 Global Private Equity 0.2 Hedge Funds 0.0 Commodities 2.3 Global Infrastructure	Tactical (OUTER) % 3.4 4.2 7.1 16.2 es 1.4 5.5 0.9 0.4 0.0 2.7	Cash UK Corporate Bonds UK Govt Bonds UK Equities Global Equities (ex UK) Emerging Markets Equities Global Private Equity Hedge Funds Commodities Global Infrastructure	(OUTER) 2.3 18.8 3.5 10.7 24.4 1.9 6.4 1.1 0.5 0.5 0.0 3.2
Cash UK Corporate Bonds UK Govt Bonds UK Equities Global Equities (ex UK) Emerging Markets Equities Global Property Global Private Equity Hedge Funds Commodities	Tactical (OUTER) % 6.7 Cash 14.1 UK Corporate Bonds 0.0 UK Govt Bonds 8.9 UK Equities 20.4 Global Equities (ex UF 3.0 Emerging Markets Equities 11.7 Global Property 3.6 Global Property 3.6 Global Property 3.6 Global Private Equity 0.0 Hedge Funds	Tacical (OUTER) % 6.7 9 10.3 0.0 11.7 9 x) 27.1 uities 3.9 12.4 9 0.0 9 0.0 9 12.4 9 3.5 9 0.0 9 0.0 9 3.2 9	Cash UK Corporate Bonds UK Govt Bonds UK Equities Global Equities (ex UK) Emerging Markets Equities Global Privete Equity Hedge Funds Commodities Global Infrastructure European Fixed Income	Tactical (OUTER) % 5.8 Cash 5.3 UK Corporate Bonds 0.0 UK Govt Bonds 15.3 UK Equities 35.6 Global Equities (ex UK) 5.2 Emerging Markets Equities 13.1 Global Property 3.9 Global Private Equity 0.0 Hedge Funds 0.0 Commodities	Tactical % 4.1 Cash 28.9 UK Corporate Bonds 4.9 UK Govt Bonds 3.9 UK Equities 8.8 Global Equities (ex UK) 0.9 Emerging Markets Equiti 4.4 Global Property 0.8 Global Proteta Equity 0.2 Hedge Funds 0.0 Commodities	Tactical (OUTER) % 3.4 24.0 4.2 7.1 16.2 85 1.4 5.5 0.9 0.4 0.0	Cash UK Corporate Bonds UK Govt Bonds UK Equities Global Equities (ex UK) Emerging Markets Equities Global Property Global Private Equity Hedge Funds Commodities	(OUTER) 2.3 18.8 3.5 10.7 24.4 1.9 6.4 1.1 0.5 0.0

R	isk Manageo	d Active 4	Risk Manag	ed Active 5	Risk Manage 1	ed Passive	Risk Mana	ged Passive 2		ged Passive 3	Risk Manag 4		
Тас	ctical Asset Al	location											🔨 Risk
	synaptic Risk Rating 3.4	1-5	Synapti Risk Rat 3.8	c ling	Synaptic Risk Rat 2.	ng	Syn Risk	Rating .7	Syna Risk I	ptic tating 9 1-5	Synapti Bisk Rat 3.3	c ing	
	Balanceo	d	Balar	nced	Moderately	Cautious	Moderat	ely Cautious	Moderate	ly Cautious	Balar	ced	
	Max gain	27.41%	Max gain	29.70%	Max gain	22.53%	Max gain	23.79%	Max gain	25.14%	Max gain	27.56%	
	Ave gain	7.21%	Ave gain	7.51%	Ave gain	6.34%	Ave gain	6.63%	Ave gain	6.95%	Ave gain	7.25%	
	Min gain	-13.55%	Min gain	-15.65%	Min gain	-8.80%	Min gain	-10.04%	Min gain	-11.38%	Min gain	-13.40%	
Key		Tactical	Key	Tactical	Key	Tactical	Key	Tactical	Key	Tactical	Key	Tactical	
%	Cash	(OUTER) 1.3	%	(OUTER) 1.4	%	(OUTER) 3.0	% Cash	(OUTER) 1.9	%	(OUTER) 1.3	%	(OUTER) 1.1	
	UK Corporate Bonds	1.3	UK Corporate Bonds	9.2	UK Corporate Bonds	30.9	UK Corporate Bond		UK Corporate Bonds		UK Corporate Bonds	1.1	
	UK Govt Bonds	2.8	UK Govt Bonds	2.0	UK Govt Bonds	5.3	UK Govt Bonds	4.7	UK Govt Bonds	3.9	UK Govt Bonds	3.3	
	UK Equities	13.9	UK Equities	17.2	UK Equities	5.4	UK Equities	8.5	UK Equities	11.7	UK Equities	15.1	
	Global Equities (ex UK) Emerging Markets Equities	31.6	Global Equities (ex UK) Emerging Markets Equ		Global Equities (ex UK) Emerging Markets Equi	12.4	Global Equities (ex Emerging Markets		Global Equities (ex U Emerging Markets E		Global Equities (ex UK) Emerging Markets Equ		
	Emerging Markets Equities Global Property	2.3 7.3	Global Property	ities 2.9 8.6	Global Property	ies 1.2 1.5	Global Property	Equities 1.6	Global Property	quities 2.1 2.9	Global Property	ttes 2.5 3.4	
	Global Private Equity	1.4	Global Private Equity	1.7	Global Private Equity	0.0	Global Private Equi		Global Private Equity		Global Private Equity	0.0	
	Hedge Funds	0.5	Hedge Funds	0.6	Hedge Funds	0.0	Hedge Funds	0.0	Hedge Funds	0.0	Hedge Funds	0.0	
	Commodities	0.0	Commodities	0.0	Commodities	0.0	Commodities	0.0	Commodities	0.0	Commodities	0.0	
	Global Infrastructure	3.9	Global Infrastructure	4.5	Global Infrastructure	1.2	Global Infrastructur		Global Infrastructure		Global Infrastructure	2.6	
	European Fixed Income US Fixed Income	0.0	US Fixed Income	e 0.0 0.0	European Fixed Income	0.0	European Fixed Income	ome 0.0 0.0	US Fixed Income	me 0.0 0.0	European Fixed Incom US Fixed Income	e 0.0 0.0	
	Global Bonds (ex UK)	20.7	Global Bonds (ex UK)	13.4	Global Bonds (ex UK)	39.1	Global Bonds (ex L		Global Bonds (ex UP		Global Bonds (ex UK)	20.9	

Tactical Asset	Allocation
Synap Risk R 3.	ating
Bala	inced
Max gain	30.25%
Ave gain	7.57%
Min gain	-15.63%

Asset Allocation breakdown



Key		
%		Tactical (OUTER)
	Cash	0.6
	UK Corporate Bonds	12.0
	UK Govt Bonds	2.4
	UK Equities	18.5
	Global Equities (ex UK)	41.6
	Emerging Markets Equities	3.0
	Global Property	3.8
	Global Private Equity	0.0
	Hedge Funds	0.0
	Commodities	0.0
	Global Infrastructure	3.1
	European Fixed Income	0.0
	US Fixed Income	0.0
	Global Bonds (ex UK)	14.9

