

# MAFL Funds: Season 2007

### Where Statistics Meets Leather and Grass

13 May 2007

Season 2007, Number 7.1

#### In this Edition of the newsletter:

- Results of wagers and tips for Round 7
- Does Accuracy Matter?
- Alternative **Premierships**
- The Million **Paws Walk**

- for Richmond and This has been corrected (though, after their last fans and players could confusion over what they look like). Thanks to Dan for picking this error up.
- On page 3, the tips for CTL and all MM strategies were provided for a Brisbane v Carlton matchup, which would have been far more interesting had there been such a game this week. The tips should, of course, have been for a Brisbane v Adelaide game. The correct tips are shown in this Newsletter. Apologies to anyone who's been using the MM16 tips; MM16 actually tipped the winners, Adelaide, not Brisbane.

### **Dees Denied Again**



Telstra Dome 11<sup>th</sup> May, 7:40pm

Head-to-Head Kan \$1.82 / Ess \$1.92

Line Betting Kangaroos -6.5 pts

**Heritage Fund Bet** WON 1.60% (1.45%)

Alpha Fund Bet

**Beta Fund Bet** 

**Line Fund Bet** 

Kangaroos 18.9 (117)

**Essendon** 13.17 (95)

**Line Betting** Kangaroos by 15.5pts Collingwood Carlton

> MCG 12<sup>th</sup> May, 2:10pm

Head-to-Head Col \$1.40 / Car \$2.80

Line Betting Collingwood -15.5 pts

**Heritage Fund Bet** 

**Alpha Fund Bet** 

**Beta Fund Bet** 

**Line Fund Bet** 

**Collingwood** 17.17 (119) def

**Essendon** 14.11 (95)

**Line Betting** Collingwood by 8.5pts Port Adelaide Richmond

Football Park 12<sup>th</sup> May, 2:40pm

Head-to-Head PA \$1.10 / Ric \$6.25

Line Betting Port Adelaide -39.5 pts

Heritage Fund Bet

Alpha Fund Bet

**Beta Fund Bet** 

**Line Fund Bet** 

Port Adel 16.19 (115) def

**Richmond** 10.15 (75)

**Line Betting** Port Adelaide by 0.5pt Brisbane Lions

Adelaide Gabba 12<sup>th</sup> May, 7:10pm

Head-to-Head Bri \$1.68 / Adel \$2.10

> **Line Betting** Brisbane -6.5 pts

Heritage Fund Bet

Alpha Fund Bet

**Beta Fund Bet** 

**Line Fund Bet** 

**Adelaide** 14.16 (100) def

**Brisbane** 9.15 (69)

Line Betting Adelaide by 37.5pts



### St Kilda

Sydney Telstra Dome

12<sup>th</sup> May, 7:10pm

Head-to-Head StK \$1.83 / Syd \$1.90

Line Betting St Kilda +6.5 pts

**Heritage Fund Bet** 

Alpha Fund Bet

**Beta Fund Bet** 

**Line Fund Bet** 

St Kilda 15.7 (97)

Sydney 11.5 (71)

**Line Betting** St Kilda by 32.5pts Geelong

West Coast Kardinia 13<sup>th</sup> May, 1:10pm

Head-to-Head

Gee \$1.90 / WC \$1.83

Line Betting Geelong -6.5 pts

**Heritage Fund Bet** 

Alpha Fund Bet

**Beta Fund Bet** 

**Line Fund Bet** LOST 5.62% (6.13%)

Geelong 16.13 (109)

def West Coast 10.10 (70)

Line Betting Geelong by 32.5pts

Bulldogs Melbourne

Telstra Dome 13<sup>th</sup> May, 2:10pm

Head-to-Head WB \$1.36 / Mel \$3.00

**Line Betting** Bulldogs -15.5 pts

Heritage Fund Bet

Alpha Fund Bet

**Beta Fund Bet** 

Line Fund Bet

**Bulldogs** 16.16 (112) def

Melbourne 16.10 (106)

**Line Betting** Melbourne by 9.5pts

Fremantle Hawthorn Subjaco

13<sup>th</sup> May, 2:40pm Head-to-Head

Fre \$1.40 / Haw \$2.80 **Line Betting** 

Fremantle -15.5 pts **Heritage Fund Bet** 

Alpha Fund Bet

**Beta Fund Bet** 

Line Fund Bet

Fremantle 14.12 (96)

def Hawthorn 11.14 (80)

Line Betting

Fremantle by 0.5pt

## We Win Some, We Lose Some

Somewhere tonight there's a very happy punter who's just taken \$36,000 from Sportsbet as a result of his successful \$40,000 plunge on the Cats at \$1.90 last Monday.

Unfortunately, we don't have grounds for similar levels of elation. For most investors, West Coast's and Essendon's loss on Line betting meant that their portfolios merely marked time this weekend. Here's the detail:

**Result of Round 7 Wagers** 

	Bet*	Price	Net Return*	
Kangaroos	1.95%	\$1.82	1.6%	Won by 22 pts
Total	1.95%	\$1.02	1.6%	won by 22 pts
iviai	1.95%		1.0%	
Alpha Fund		ROI	40.0%	
	Bet*	Price	Net Return*	
Collingwood	2.50%	\$1.40	1.0%	Won by 24 pts
Total	2.50%		1.0%	
Beta Fund		ROI	40.0%	
	Bet*	Price	Net Return*	
Collingwood	2.50%	\$1.40	1.0%	Won by 24 pts
Total	2.50%		1.0%	
Line Fund		ROI	(100.0%)	
	Bet*	Price	Net Return*	
Essendon	5.00%	\$1.80	(5.0%)	Lost by 15.5 pts
West Coast	5.62%	\$1.82	(5.6%)	Lost by 32.5 pts
Total	10.62%		(10.6%)	, , , ,
* all bets and ne	et returns are	calculated a	s a nercentage	

The Alpha and Beta Funds' activity and success this weekend is pleasing. If we're to have an even moderately successful year's wagering, both of these Funds have to fire up, make bets and perform.

As well, the Heritage Fund continues to impress. It's return is now up to 12% on the season with an 8 and 10 win-loss record and an 11.4% ROI. That's way ahead of my expectations for this point in the season.

Which leaves only the Line Fund on which to comment. Certainly, I'd hoped for better than a 3 and 6 start to the season, but this was always going to be a volatile Fund and it won't take all that much to swing it back close to profitability.

So, on balance, I think we're doing okay, especially compared with where we were this time last year.

Here's how the profitability of each of the strategies now looks:

		Heritage	Alpha	Beta	Line	
	Fund Return	+11.97%	+3.32%	(-4.43%)	(-18.89%)	
Joined [Swapped]	Strategy	Heritage	Alpha	Beta	Line	Overall Return
		(P	ercentage	e in each Fu	nd)	
Pre-Season	A*	20%	35%	35%	10%	+0.11%
Pre-Season	В	25%	25%	25%	25%	(-2.01%)
Pre-Season	C	30%	30%	30%	10%	+1.37%
Pre-Season	D	0%	0%	0%	100%	(-18.89%)
Pre-Season	E	20%	30%	30%	20%	(-1.72%)
Round 6	A*	20%	35%	35%	10%	+3.12%
Pre-Season [Round 7]	To C from A	30%	30%	30%	10%	+0.04%

So, those with the Recommended Portfolio weightings now find themselves 11c richer for every \$100 they've invested, and those who've followed Strategy C since the start of the season are ahead \$1.37 for every \$100 they've invested.

 Wins on all Head to Head bets and losses on both Line Bets. Net result: near enough to breakeven

 Investors with the Recommended Portfolio weightings remain marginally ahead The team-by-team and Fund-by-Fund wagering statistics now look like this:

HERITAGE FUND							ALPHA FUND						
	Bets	Win	Loss	% Outlayed	ROI	% RONF		Bets	Win	Loss	% Outlayed	ROI	% RONF
Adelaide	1	1	0	9.8%	180.0%	17.6%	Adelaide	0	0	0	0.0%	0.0%	0.0%
Brisbane Lions	1	1	0	3.7%	145.0%	5.3%	Brisbane Lions	0	0	0	0.0%	0.0%	0.0%
Carlton	3	1	2	10.9%	42.7%	4.7%	Carlton	0	0	0	0.0%	0.0%	0.0%
Collingwood	1	1	0	5.1%	195.0%	9.9%	Collingwood	1	1	0	2.5%	40.0%	1.0%
Essendon	0	0	0	0.0%	0.0%	0.0%	Essendon	0	0	0	0.0%	0.0%	0.0%
Fremantle	0	0	0	0.0%	0.0%	0.0%	Fremantle	1	1	0	2.7%	86.0%	2.3%
Geelong	0	0	0	0.0%	0.0%	0.0%	Geelong	0	0	0	0.0%	0.0%	0.0%
Hawthorn	3	2	1	17.7%	55.8%	9.9%	Hawthorn	0	0	0	0.0%	0.0%	0.0%
Kangaroos	3	2	1	12.9%	73.7%	9.5%	Kangaroos	0	0	0	0.0%	0.0%	0.0%
Melbourne	3	0	3	20.8%	(100.0%)	(20.8%)	Melbourne	0	0	0	0.0%	0.0%	0.0%
Port Adelaide	0	0	0	0.0%	0.0%	0.0%	Port Adelaide	0	0	0	0.0%	0.0%	0.0%
Richmond	3	0	3	24.0%	(100.0%)	(24.0%)	Richmond	0	0	0	0.0%	0.0%	0.0%
St Kilda	0	0	0	0.0%	0.0%	0.0%	St Kilda	0	0	0	0.0%	0.0%	0.0%
Sydney	0	0	0	0.0%	0.0%	0.0%	Sydney	0	0	0	0.0%	0.0%	0.0%
, West Coast	0	0	0	0.0%	0.0%	0.0%	West Coast	0	0	0	0.0%	0.0%	0.0%
Western Bulldogs	0	0	0	0.0%	0.0%	0.0%	Western Bulldogs	0	0	0	0.0%	0.0%	0.0%
Total	18	8	10	104.8%	11.4%	12.0%	Total	2	2	0	5.2%	63.8%	3.3%
San Anna Anna Anna Anna Anna Anna Anna A		4,44							-40				

BETA FUND	~	والموادات المردو	14. 1-00-		<i>∞ →</i>	_000 200 0000-	LINE FUND				/		- دره در سر سر سر در در
{	Bets	Win	Loss	% Outlayed	ROI	% RONF		Bets	Win	Loss	% Outlayed	ROI	% RONF
Adelaide	0	0	0	0.0%	0.0%	0.0%	Adelaide	0	0	0	0.0%	0.0%	0.0%
Brisbane Lions	1	1	0	2.0%	80.0%	1.6%	Brisbane Lions	0	0	0	0.0%	0.0%	0.0%
Carlton	0	0	0	0.0%	0.0%	0.0%	Carlton	0	0	0	0.0%	0.0%	0.0%
Collingwood	2	1	1	5.4%	(35.4%)	(1.9%)	Collingwood	1	1	0	7.8%	90.0%	7.0%
Essendon	0	0	0	0.0%	0.0%	0.0%	Essendon	1	0	1	5.0%	(100.0%)	(5.0%)
Fremantle	0	0	0	0.0%	0.0%	0.0%	Fremantle	1	0	1	5.9%	(100.0%)	(5.9%)
Geelong	0	0	0	0.0%	0.0%	0.0%	Geelong	0	0	0	0.0%	0.0%	0.0%
Hawthorn	0	0	0	0.0%	0.0%	0.0%	Hawthorn	2	1	1	15.6%	(5.1%)	(0.8%)
Kangaroos	0	0	0	0.0%	0.0%	0.0%	Kangaroos	1	1	0	7.8%	90.0%	7.0%
Melbourne	1	0	1	4.1%	(100.0%)	(4.1%)	Melbourne	1	0	1	7.8%	(100.0%)	(7.8%)
Port Adelaide	0	0	0	0.0%	0.0%	0.0%	Port Adelaide	0	0	0	0.0%	0.0%	0.0%
Richmond	0	0	0	0.0%	0.0%	0.0%	Richmond	0	0	0	0.0%	0.0%	0.0%
St Kilda	0	0	0	0.0%	0.0%	0.0%	St Kilda	1	0	1	7.8%	(100.0%)	(7.8%)
Sydney	0	0	0	0.0%	0.0%	0.0%	Sydney	0	0	0	0.0%	0.0%	0.0%
West Coast	0	0	0	0.0%	0.0%	0.0%	West Coast	1	0	1	11.2%	(100.0%)	(11.2%)
Western Bulldogs	0	0	0	0.0%	0.0%	0.0%	Western Bulldogs	0	0	0	0.0%	0.0%	0.0%
Total	4	2	2	11.5%	(38.5%)	(4.4%)	Total	9	3	6	68.9%	(27.4%)	(18.9%)

Chi bags 6, but MM16 bags 7

# **Close, but Favourites Mostly Prevail**

A good weekend for favourites, with six out of eight winning, moving the season's tally to 36 from 56 (64%), which is roughly the average over recent seasons.

Chi managed six correct tips too, but this wasn't enough to close the gap on MM16. In fact, with the corrected Brisbane v Adelaide tip (see errata in the margin on page 1), MM16 tipped 7 from 8 – the best result of all our tipsters – to move it 5 tips clear of Chi and 2 tips clear of BKB.

Here's the detail:

# Tips from all the Tipping Models (see Appendix for each Model's strategy)

	Kan v Ess	Col v Car	PA v Ric	Bri v Ade	StK v Syd	Gee v WC	WB v Mel	Fre v Haw
CTM	Kan by 9	Col by 22	PA by 11	Bri by 9	StK by 10	WC by 7	WB by 11	Fre by 11
QTM	Kan by 4	Col by 22	PA by 17	Bri by 10	StK by 12	WC by 10	WB by 9	Haw by 1
вкв	Kan by 6.5	Col by 15.5	PA by 39.5	Bri by 6.5	Syd by 6.5	Gee by 6.5	WB by 15.5	Fre by 15.5
CTL	Essendon	Collingwood	Port Adelaide	Brisbane	Sydney	West Coast	Western Bulldogs	Hawthorn
MM2	Kangaroos	Collingwood	Port Adelaide	Brisbane	Sydney	West Coast	Western Bulldogs	Hawthorn
MM4	Kangaroos	Collingwood	Port Adelaide	Adelaide	Sydney	West Coast	Western Bulldogs	Hawthorn
MM6	Essendon	Collingwood	Port Adelaide	Brisbane	Sydney	West Coast	Western Bulldogs	Hawthorn
MM8	Essendon	Collingwood	Port Adelaide	Adelaide	Sydney	West Coast	Western Bulldogs	Hawthorn
MM11	Essendon	Collingwood	Port Adelaide	Adelaide	Sydney	West Coast	Western Bulldogs	Hawthorn
MM16	Kangaroos	Collingwood	Port Adelaide	Adelaide	St Kilda	West Coast	Western Bulldogs	Fremantle
MM22	Kangaroos	Collingwood	Port Adelaide	Adelaide	Sydney	West Coast	Western Bulldogs	Fremantle
NIT	Kangaroos (7-4)	Collingwood (11-0)	Port Adelaide (11-0)	Brisbane Lions (6-5)	Sydney (8-3)	West Coast (10-1)	Western Bulldogs (11-0)	Hawthorn (7-4
ine Be	ttina							
Chi	Kangaroos	Collingwood	Richmond	Brisbane	St Kilda	West Coast	Melbourne	Hawthorn
Quila	Essendon	Collingwood	Richmond	Brisbane	St Kilda	West Coast	Melbourne	Hawthorn

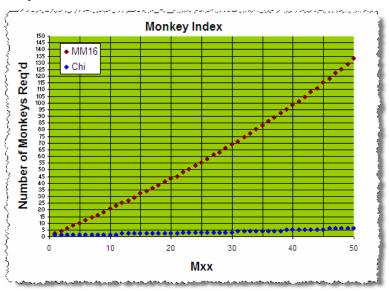
Here's the summary performance of each strategy so far this season:

#### Cumulative Tipping Results at the end of Round 7

	Cum	% Correct	Av Pred Err
MM16	38	67.9%	-
ВКВ	36	64.3%	27.3
CTM	33	58.9%	27.4
MM4	33	58.9%	-
MM22	33	58.9%	-
MM8	32	57.1%	-
MM6	30	53.6%	-
NIT	30	53.6%	-
QTM	29	51.8%	28.6
MM11	29	51.8%	-
CTL	27	48.2%	-
MM2	25	44.6%	-

Perhaps the most remarkable aspect of this table is that it shows that only 27 of 56 winners have been higher up on the ladder than their opponents. (And, only 15 of the last 32 winners have been higher up on the ladder.)

On the Monkey front, the MM16 and Chi results mean this:



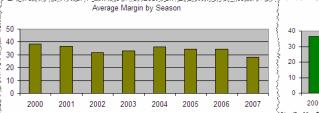
So, you'd need 43 monkeys tipping at random to expect to have matched or bettered MM16's performance of 38 from 56 at least 20% of the time. (You'd need just 2 to expect to have matched or bettered Chi's 33 from 56 with the same probability).

For those contemplating a wager or two in the coming weeks, MM16 recorded its seventh straight profitable weekend on level-staking:

MN	/116 - Leve	el Staking	Performan	ce
	Wins	Return	Cum Ret	Cum ROI
Round 1	5	\$1.64	\$1.64	20.5%
Round 2	5	\$0.14	\$1.78	11.1%
Round 3	6	\$2.00	\$3.78	15.8%
Round 4	6	\$0.98	\$4.76	14.9%
Round 5	4	\$0.68	\$5.44	13.6%
Round 6	5	\$0.62	\$6.06	12.6%
Round 7	7	\$3.01	\$9.07	16.2%

In fact, this weekend was the most profitable weekend for MM16 so far this season, with its 7 correct tips returning \$3.01 for an \$8.00 investment.

 The closest season this century? The average margin of victory this weekend was just 25½ points, the third lowest of the season. (Port Adelaide's 40 point victory over the Tigers was the largest). This moved the season average to just 28.3, some 6 points lower than the average for season 2006 and the lowest average for the first seven rounds this century.





This season's most common margin of victory has been 16 points, which has occurred in 6 of the 56 games. Next most common has been 31 points, which has, amazingly, been the margin on 5 occasions, despite being the victory margin in only about 1.6% of all games this century prior to the start of this season.

#### Winning's about stopping scoring shots and creating plenty of your own

# **Accuracy Isn't All That Important**

Following the progress of Collingwood in their game against Carlton on Saturday, I saw the Pies trailing by 17 points at the half despite registering 15 scoring shots (4.11) to 14 (8.6), and this got me to wondering about the relative accuracy of the teams in front of goal.

In pure terms, accuracy should be measured by goals as a proportion of goals plus non-rushed behinds. But I can't find a source of rushed behinds, so allow me to be a little loose and define accuracy as goals divided by goals plus behinds. With that definition, here's what we get:

Team	GF	BF	PF	Acc %	Rank	GA	ВА	PA	*	Pts	1	2	3	4	5	6	7
Port Adelaide	96	101	677	48.7%	12	78	83	551	122.9	24	٧	٧	L	٧	٧	¥	٧
Vest Coast	85	98	608	46.4%	14	72	72	504	120.6	24	٧	٧	٧	٧	٧	٧	L
Collingwood	89	104	638	46.1%	15	81	90	576	110.8	20	٧	L	٧	L	٧	٧	×
Geelong	127	107	869	54.3%	4	84	79	583	149.1	16	L	٧	٧	L	L	¥	×
Adelaide	79	77	551	50.6%	9	67	95	497	110.9	16	L	٧	٧	٧	L	L	٨
Brisbane Lions	89	94	628	48.6%	13	80	96	576	109.0	16	٧	٧	L	L	٧	٧	ı
Kangaroos	99	92	686	51.8%	5	92	98	650	105.5	16	L	L	L	٧	٧	¥	١
Hawthorn	90	91	631	49.7%	10	87	85	607	104.0	16	L	¥	¥	¥	L	¥	ı
St Kilda	86	82	598	51.2%	8	84	74	578	103.5	16	٧	L	٧	L	L	¥	١
Vestern Bulldogs	98	79	667	55.4%	3	99	101	695	96.0	16	٧	L	L	٧	٧	L	١
Sydney	83	78	576	51.6%	6	80	64	544	105.9	12	L	٧	٧	L	٧	L	ı
Essendon	106	82	718	56.4%	1	104	98	722	99.4	12	٧	٧	L	٧	L	L	ı
Fremantle	96	77	653	55.5%	2	101	87	693	94.2	12	L	L	L	٧	٧	L	١
Carlton	92	112	664	45.1%	16	127	106	868	76.5	8	٧	L	٧	L	L	L	ı
Melbourne	77	80	542	49.0%	11	109	98	752	72.1	0	L	L	L	L	L	L	ì
Richmond	83	78	576	51.6%	6	130	106	886	65.0	0	L	L	L	L	L	L	ı

What I find utterly amazing about this table is that 4 of the top 6 teams on the ladder are ranked 12<sup>th</sup>, 13<sup>th</sup>, 14<sup>th</sup> and 15<sup>th</sup> in terms of accuracy (refer to the sixth column in the table above, headed "Acc %"). This year, it seems, it's not so much about being accurate as it is about preventing your opponents from having scoring opportunities and creating plenty of your own (almost regardless of what you do with them).

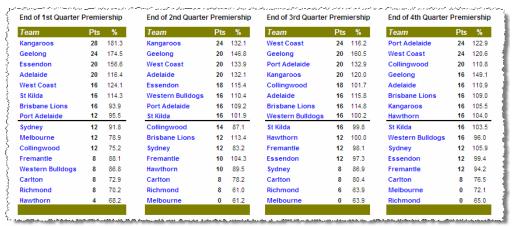
The evidence for this is as follows:

- The top 5 teams on the ladder fill 5 of the top 7 places in terms of fewest scoring shots allowed.
- The top 7 teams on the ladder fill 4 of the top 5 places in terms of total scoring shots (though, curiously, the 2<sup>nd</sup> best team on this measure, Carlton, are 3<sup>rd</sup> last).

And I thought this was such a simple game.

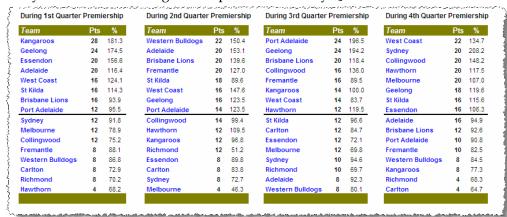
### **The Alternative Premierships**

This weekend the Roos maintained their impressive record of having never lost a 1<sup>st</sup> quarter. Meantime, the Dees preserved their extraordinary record of not having led a game at any change other than the first. Only Richmond come anywhere near matching the Dees on this front, and even then all they can manage is to have been similarly unsuccessful in leading at the fourth blast of the siren.



Mercifully, no team has now failed to win at least one quarter in one of their games. The Roos, as we've mentioned are king of the first quarter. The Bulldogs reign in the  $2^{nd}$  quarter, Port Adelaide and Geelong in the  $3^{rd}$ , whilst West Coast prevails in the Money Quarter, the  $4^{th}$ . Perhaps most surprising is the relatively poor showing of the now-competition leader, Port, in the  $1^{st}$ ,  $2^{nd}$  and, especially,  $4^{th}$  quarters.

Maybe I should be calling the 3rd quarter the Money Quarter.



It's interesting to note that, amongst the teams in the current Final 8, only Sydney has not done well in the 3<sup>rd</sup> quarter and, conversely, only Fremantle has done well in the 3<sup>rd</sup> quarter, but not so well in terms of the season proper.

### **The Million Paws Walk**

It probably won't surprise you to hear that one of the charities that Debs and I support is the RSPCA. Dogs and cats have been a part of my life for as long as I can remember, and our first 'family' dog and cat after we were married both came from the RSPCA out at Yagoona. We think that what the RSPCA does is worth supporting.

In line with this, each year for the past five or so, one or both of us have participated in the Million Paws Walk, which is a pet-accompanied walk established to raise money for the RSPCA in Sydney. Next weekend, Debs, Chi, Quila and I will be doing the walk (though I've a nagging feeling that I'll be carrying Chi for a substantial part of it).

If anyone reading this newsletter would like to sponsor either or both of the Tipping Terrier (Quila) or the Clairvoyant Chihuahua (Chi), please send me an email and I'll give you the details. Alternatively, please take a look at the RSPCA website and make up your own mind.



Hmm ... Sydney's usually strong at home, but Port's playing really well ...

'til Thursday Tony

### **Appendix**

### **Tipping Model Strategies**

Strategy Name	Basis for Tips
Chi Tipping Model (CTM)	Complex statistical model incorporating a range of factors.
Quila Tipping Model (QTM)	Uses an approach similar to that used for the CTM.
Bookies Know Best (BKB)	For each game, tips the TAB Sportsbet favourite. In the case of equal favourites, it tips the true home team or, if there's no true home team, tips the team with the higher ladder position (ties are broken using percentage then for-and-against margin).
Consult The Ladder (CTL)	Tips the team with the higher ladder position (ties are broken using percentage then for-and-against margin). For the first round of the season, use the ladder position at the end of the previous regular season.
Momentum Matters (MMx)	A series of strategies that involve building competition ladders based only on the results of the most recent x rounds of regular season games (drawing on games from the previous season if required).
	The MM2 strategy considers only the last 2 regular season rounds, the MM4 strategy only the last 4 rounds, and so on. Once a ladder has been built for a strategy, the selected team is that with the superior ladder position (as per CTL above).
	This year we'll track the performance of MM2, MM4, MM6, MM8, MM11, MM16 and MM22.
No Independent Thought (NIT)	Tips the team that is most popular amongst all other strategies.

### **Notional Initial Funds**

For reasons that are somewhat technical (I'm happy to provide details to anyone who's interested but, broadly, it allows me to describe bets in terms of a common percentage for all Investors and still maintain the same share price for all Investors), I need to calculate what I call "Notional Initial Funds". It's calculated separately for each Fund.

For original Investors, the definition is straightforward:

Notional Initial Funds = Actual Funds Invested

For Investors who join the Fund post Round 1:

Notional Initial Funds = Actual Funds Invested / Share Price at the time of investing

(in other words, it's the notional amount that would need to have been invested at the start of the season in order to have returned an amount equal to the amount actually invested).