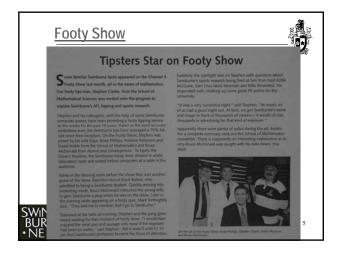
SWiN BUR * NE *		 Thankyou for opportunity Was a regular attender 75-91
SWINBURNE UNIVERSITY OF TECHNOLOGY	Kicking goals with Maths and Stats Applications in Sport and Gambling	 Remember the great enthusiasm Joke about brains What I do is not rocket science lots of the things I do could be tackled by students of varying standards.
	Stephen R Clarke	
	Faculty of Life and Social Sciences	SWIN BUR • NE•





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Home	Sports Predictio	Swinburne Spo Statist
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ports Predictions	Please select a sport that inter	rests you from the list below.
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Useful Links	Basketball	Brownlow
Statistics@Swinburne	Cricket	Horse Racing
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	Soccer	Tennis
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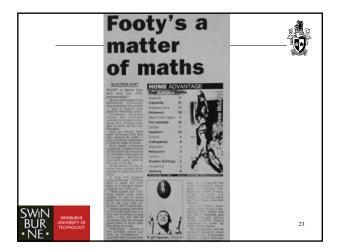


and/baseling strengths and a common home advantage for teams playing both mining of timefination on-derivations and should Africa were instead subdantially above the other teams. It is also of the game Austimia and South Africa were instead subdantially above the other teams. It is also also bowing strengths of teams. Subplaying of team-state, the is associated with common home advantage, wrining the toss and the establishment of a frash-mining water. Austimized together supersoling teams, together with parameters that are associated with common home advantage, wrining the toss and the establishment of a frash-mining water, multiportial basing strengths. Theri-minings water, basing strengths and the team basing strength in the teams of the strength in the strength strength strength strengths and the team basing strength at lead strength. Theri-minings water, basing strength and the team basing second in a teal enjoys a supplicant advantage. Noticely, the inteles specing the strength strength is the three is no evidence to supposi that that man generality gained at writing the tourist of writing that to use to supposi that that man generality gained at writing the tourist of writing that to use to supposi that that man generality gained at writing the tourist of writing that tourist. Engliser a

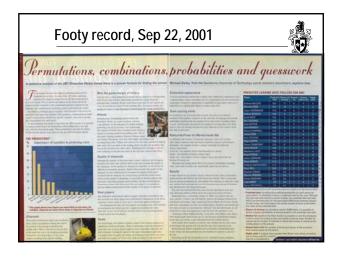
Introduction

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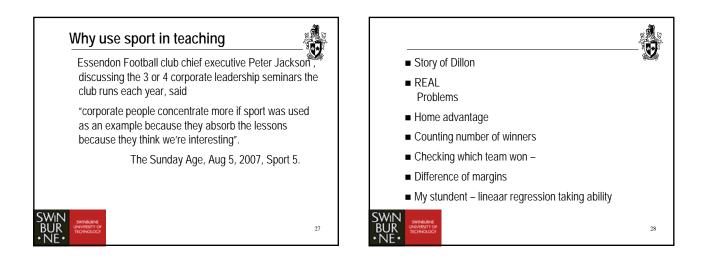




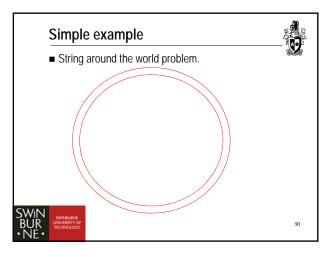


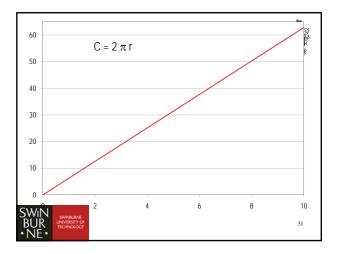


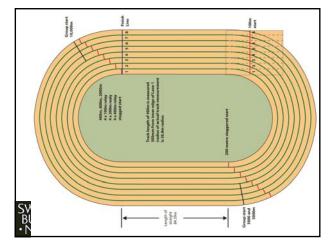


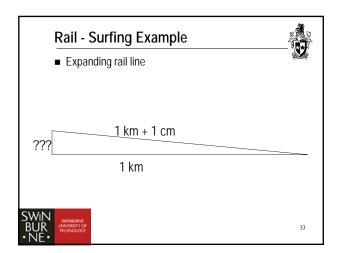


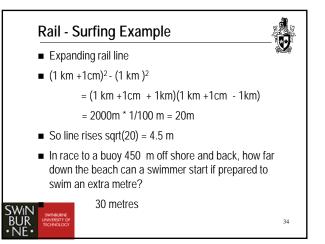




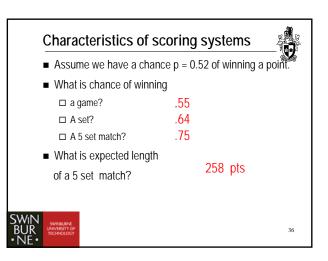


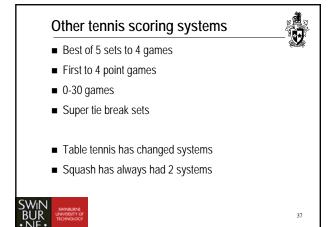


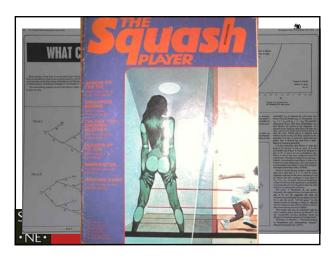




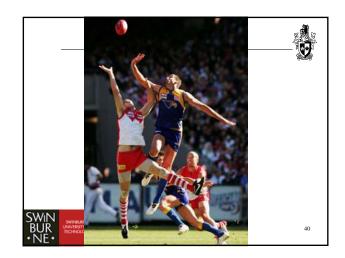








Henman vs J Nieminen				Ch	oose match 🥄
			Stake		Bet now
Taking bets now!	Game 9, Henman serves		1	Henma	ın - Nieminen
Match betting	Selection	Odds	Select	Game	score
Game 9, Henman serves	Server wins to love	4/1		11	-
	Server Win to15	5/2		10	<u>_</u>
	Server wins to 30	3/1		9	
	Server wins after deuce	7/2		8	
	Receiver wins to love	33/1		7	15 - Win
	Receiver wins to 15	100/7		6	30 - Win
	Receiver wins to 30	10/1		5	Win - Deuce
	Receiver wins after deuce	12/1		4	Love - Win
				3	Win - 15
				2	Love - Win
				1	Win - 30













TEAMS	% ADV	GROUND ADY
Richmond defeats Collingwood	55%	Opts
Western Bulldogs defeat Geelong	52%	16pts
: St Kilda defeats Hawthorn	82%	Opts
: West Coast defeats Sydney	66%	27pts
Adelaide defeats Port Adelaide	68%	Opts
Carlton defeats Melbourne	62%	13pts
Essendon defeats Fremantle	72%	2pts
N. Melbourne defeats Brisbane	80%	6pts
	the Eagle	ourne Univer is when they d advantage



Professo Round 11				9
lome team		Away team		Ground
Seelong	VS	Essendon	at	Telstra Dome
Richmond	VS	Kangaroos	at	MCG
Brisbane Lions	VS	Adelaide	at	Gabba
Sydney	VS	St. Kilda	at	SCG
Port Adelaide	VS	Hawthom	at	AAMI Stadium
V. Bulldogs	VS	Fremantle	at	Telstra Dome
Vest Coast	VS	Carlton	at	Subiaco
Aelbourne	VS	Collingwood	at	MCG



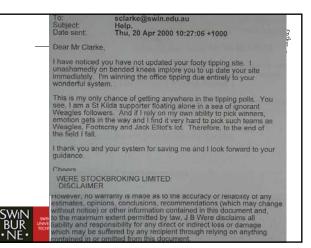




Footytips.com.au	Collingwood vs. Geelong Later Lat The Teen Lits Ispate Ook Sp	. (1990)
	Experts	Nasi Kaund Tabi Cangare CAT Score Tabi
	Prof.Staphen Clerks University Coopday	1 154
	Matthew Richardson Forcer Richard Champian	• • 146
	Computer Program Ladar for Asabetea	146
	Sam Kakovich Sportigiet Eigent	. 143
	2000 Al comunite Al, forentiae Addate	143
	Robert Walk Fooly Commentator Comment	142
	Hickeel Settives Sportspie (20	141
	Troy Laff	о ы 141
	Garry Lyon, Heda Feranalty	1 140
	Julias Dutachias forgins 2027 winer	· · 139
	Datis Cillard Price History	• 136
	Kongene State	∞ • ∞ 134
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* NE*	Serry Ablett Inde Conet Sum Capitals	ı 112

How good is the computer

- In 2011 we had 145 correct winners over the home and away season, and 9 out of 10 in the finals.
- On the www.footytips.com.au website we topped the table of 14 experts and personalities, 8 ahead of the second placegetter (Matthew Richardson).
- We finished in the top 0.3% of the 375,734 people who entered their weekly tips through this site.
- The Age and the Herald Sun had 54 expert and celebrity tipsters between them. They averaged 8 behind the computer.



AFL tipping Feedback

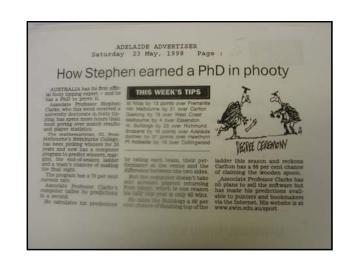


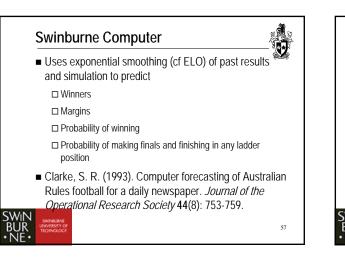
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- Many thanks for your tips each week...Thanks to you T won the tipping comp at my office. On those occasions I thought I knew better I usually bombed out !! Mike
- I religiously look up your wonderfully helpful site each week in the hope of improving my tipping ability. Cathy
- Thanks to your predictions I came second in my footy tipping competition....

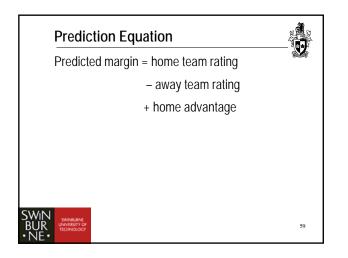
.....and beat all the boys! THANKS! Sonia

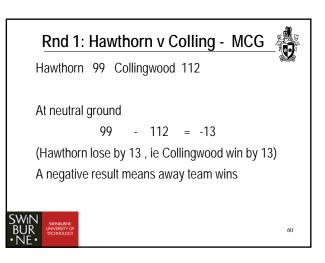


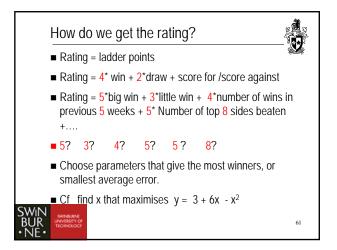


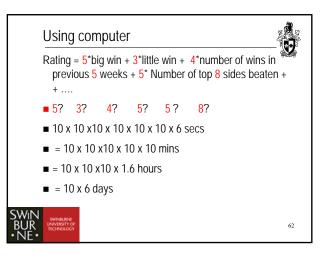


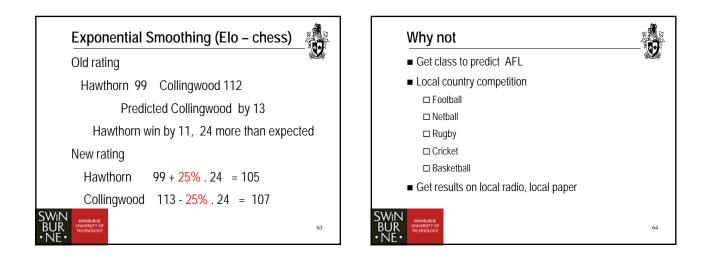
	Computer tipping	- how it works	
	Rating for each team		X
	Geelong	118	
	Collingwood	112	
	Hawthorn	99	
	Gold Coast	20	
	Home advantag	je 10	
WiN BUR NE+	SWINGLINNE LUNVERSITY OF TECHNOLOCY		58















The Australian

National Affairs

We're happy to lead the world in gambling

by: Mike Steketee From: The Australian May 28 (2011) 12:00 AM

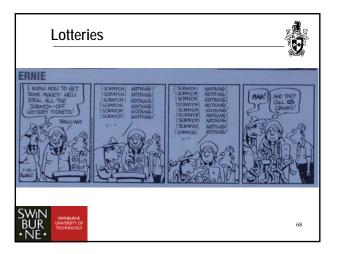
WE like to rank ourselves against the rest of the world but we could do without our status as the biggest losare.

According to international graning industry consultants H7 Gambling Capital, Australians, hat year load close to SUS1800 on gambling for every resident (not including tourist) aged 17 and over. Singapore, which recently built two mega casinos, was need to about SUS110. Those finamously lucky links came in third, but were hardly in the race with less than SUS600, while the Americans and British averaged losses of less than SUS4800.

It would be one thing if Australians' willingness to bet on anything was no more than an endearing national characteristic. Instead, we have a problem on a uniquely Australian scale. This was brought home by a report last year from the Productivity Commission.

Pardon the following heavy diet of data but the statistics are staggering. The commission calculated total gambling losses at more than \$19 billion in 2008-09, a tripling over 20 years and an average of \$1500 per gambling adult. Comidening the report estimated 70 per cent of Australians participate in some sort of gambling that is in the same ball park as the H22 figures.

SWIN BUR • NE• gambling, that is in the same ball park as the H2 figures. The expansion of gambling in the 1990; saw the share taken by casinos and electronic gaming machines, which we used to call pokies, rise from 40 per cent to 75 per cent in the 20 years to 2006-07. In 2009, there were 198,200 gaming machines in Australia, including 97,065 in NSW (but only 1750 in Western Australia)



House Percentage

- Craps 1.4%
- Roulette 3%,
- Poker machines 10%-12%,
- Tattslotto and Keno over 40%.
- Racing Totalisator 13% -18%
- Sports betting? 2.5% 5%



Market Inefficiencies in Player Head to Head Betting on the 2003 Cricket World Cup

Michael J Bailey and Stephen R Clarke School of Mathematical Sciences, Swinburne University

1 Background

The first official one-day International cricket match (ODI) was played at the Melbourne Cricket Ground on January 5 1971 between Australia and England. Since the inception of limited over cricket, there have been various rule changes, although general principles have remained the same. Both sides bat once for a limited time (maximum 50 overs) with the aim in the first innings to score as many runs as possible, and in the second innings to score more than the target set in the first limitings. Prior to the 2003 World Cup, 16 countries had played 1936 official ODIs, although 95% of all matches have been played by 9 main cricketing nations (Australia, England, India, Pakistan, West Indies, Sri Lanka, New Zealand, South Africa and Zimbabwe). Just over 1200 cricketers have represented their country in ODIs.



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Traditional betting markets have been in sports such as horse and dog acing where the sport survives primarily because of the associated betting

Examples on inefficiency

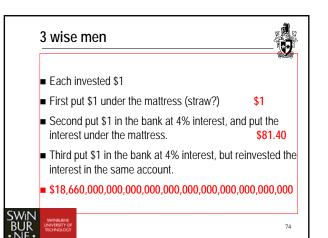
- Michael Bailey cricket 99 bets 16% ROI
- Australian Maths Society MCS conference Hong Kong company
- PhD on greyhound racing
- D. B. Hausch et al : Efficiency of Racetrack Betting markets
- Student project on Rugby

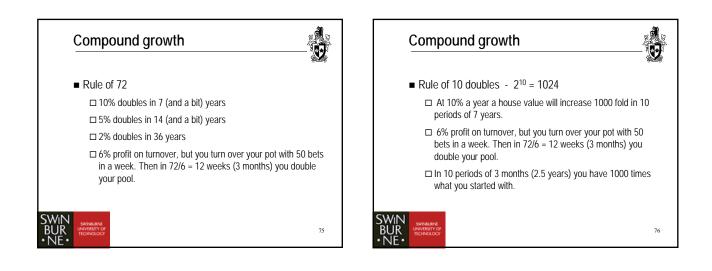




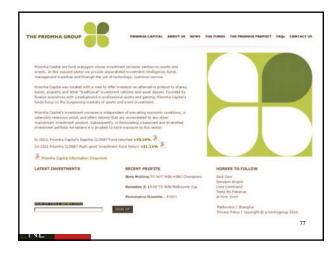
Prediction Performance

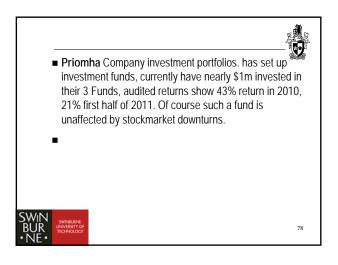
- 46 of 48 predicted winners correct
- Betting pool of \$75 rose to nearly \$1000 by end of tournament
- Continued on a range of sports
- Pool rose to \$15 000, before plummeting in a couple of weeks to \$2 000
- Currently about \$800, dividends of \$11 000
- Simple forecasting models can be effective and profitable



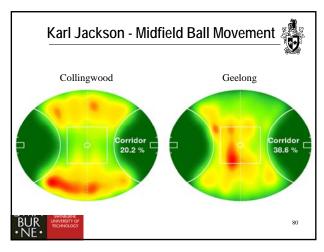


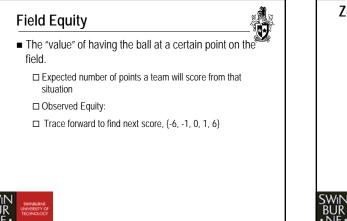
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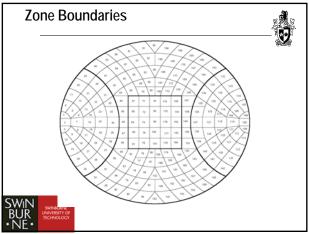


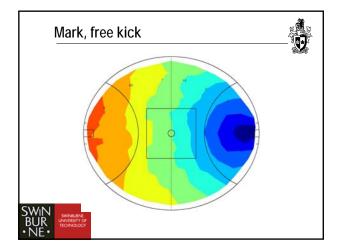


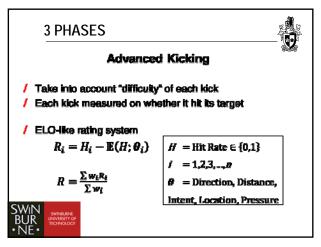






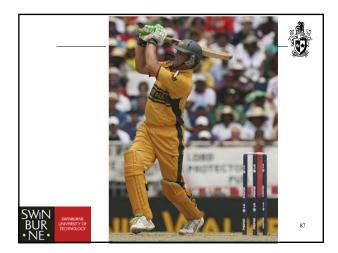


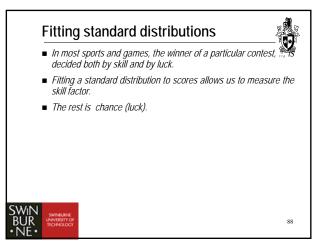


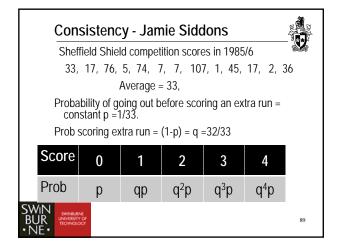


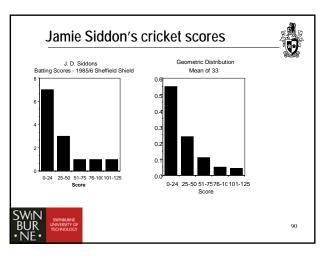
		Press	sure					
	Set Position	No Pressure	Implied Pressure	Physical Pressure				
K:H	5.29	1.48	0.98	0.39				
Kick Eff	77.7%	72.4%	57.2%	26.9%				
Hand Eff	98.0%	94.6%	85.2%	58.6%				
Eff Disp Rate	80.9%	81.4%	69.8%	28.4%				
Value	0.75	1.00	1.79	3.75				
$PF = rac{\sum Values}{n}$								

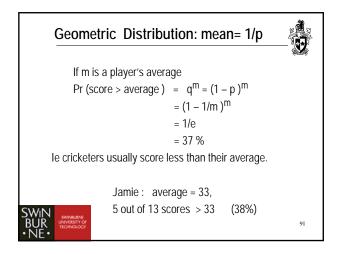
			Ę
1.	Barry Hall	Western Bulldogs	+16.0%
2.	Matthew Scarlett	Geelong Cats	+11.2%
3.	Matthew Jaensch	Adelaide Crows	+10.1%
4.	Robert Murphy	Western Bulldogs	+9.9%
5.	Adam Schneider	St Kilda	+9.6%
6.	Brendon Goddard	St Kilda	+9.1%
7.	Chris Newman	Richmond	+8.8%
8.	Jared Rivers	Melbourne	+8.8%
9.	David Rodan	Port Adelaide	+8.4%
10.	Chris Yarran	Carlton	+8.4%

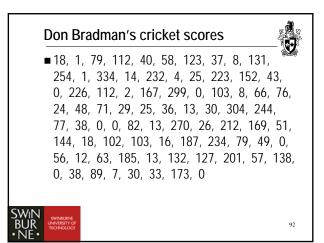


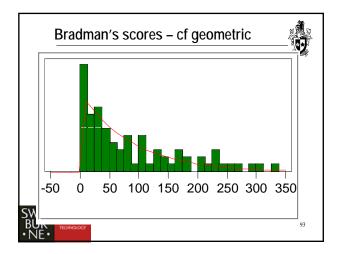












 100's	29	36%	1/e =37%	
100.3	29	3070	1/6 -3778	-
200's	12	15%	1/e ² =14%	
300's	2	3%	1/e ³ =5%	
		I		4

Po	Ponting 263 innings Average 53 (49)								
	50's	95	36%	1/e=37%					
	100's	39	15%	1/e ² =14%					
			•		•				
SWIN BUR • NE•	NBURNE EKSITY OF INOLOCY				95				

