

# Reflections on T20 cricket

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He changed his  
title!

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# What's T20?

Only 20 overs for each side; but still have 10 wickets!

Need a result; even if that's madness!

Too much money!

Hit a six every ball?

Too much temptation?

Too many retirements?

The death of bowlers?



Is it still cricket?

Can I win a T20 match without ever getting on to the cricket field?





# What's D/L?

1. Just look at run rates; 151/9 in 25 overs better than 300/2 in 50 overs!

2. (1991-92): Consider the most productive overs!

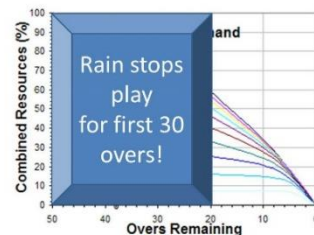
3. (>1999): There are two 'resources': overs and wickets

Overs left	Wickets lost			
	0	2	5	7
50	100	85.1	49	22
40	89.3	77.8	47.6	22
30	75.1	67.3	44.7	21.8
20	56.6	52.4	38.6	21.2
10	32.1	30.8	26.1	17.9

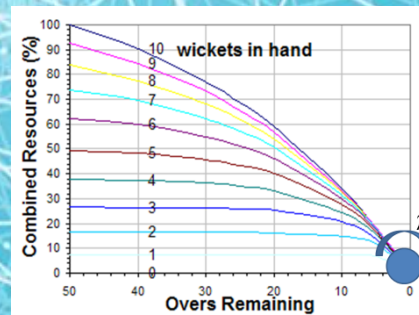
7. T20 is ODI with 30 overs rained off; cut trousers or shrink?



4. The idea of parity of resources. Par score. When and how many interruptions?



6. DL Standard edition, Professional edition ...



5. (2003): Pollock's stupidity, and then the big fright

That should now be DLS

with first 3








# Why such love for models?

Really? Just runs and wickets and scoring rates? What about dew? Wet ball? Dusty pitch? Short boundaries? Ball not coming on the bat? Remember Dhoni vs Bravo?

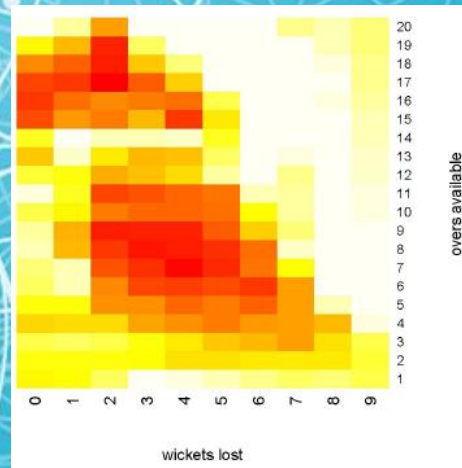
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It is only about a 300x10 or 120x10 array with some constraints!

So many equations, so many assumptions!

Why not go non-parametric?  
Gibbs sampling?



Picture abhi  
baaki hai,  
mian!



# Time to learn?

“Machine-assisted winning” – could that be possible one day? Why not if cars could drive safely on B T Road without drivers?

Will DRS learn better too? Of course!

D/L has been about ‘learning-as-you-go’ and ensuring propriety

I expect (I’d like!) tomorrow’s resource tables to genetically evolve



Wow!  
Opportunities  
in T20  
gaming?



# Time to earn?

Identify different 'roles': Crusher (McCullum, Narine), Delacquerer (Rohit), Hitter (Maxwell), Slow-starting-quick-scorer (Gayle, Yuvi), Finisher (Kohli), Early-Spinner (Badree), Swing-bowling-wicket-taker (Bhuvi), Quick (Starc), Middle-over spinner (Tahir, Rashid), Slow-ball bowler (Bravo)



How much is a T20 player worth? Idea of MVPI and 'run equivalent'  $MVPI + II$ ?

A simple paisa vasool index. What about Wow coefficient?

One day we'll be able to choose a T20 team most likely to win at least cost!

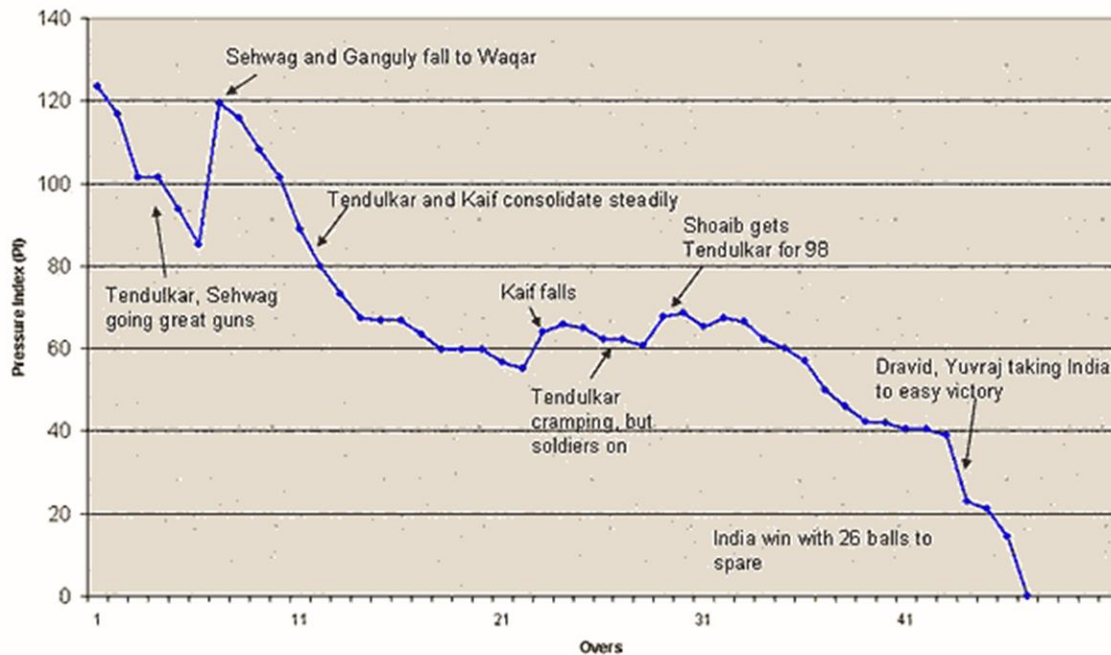
Not sure  
..Cluster analysis, maybe? Shades of Moneyball?





# Time to bet?

India vs. Pakistan. 1 March 2003




The idea of  
'pressure index'  
(now also WASP)

Deliberately raise  
stakes? Dhoni,  
Pollard ..

Plant a mole?  
Ripe for big data  
and AI!

If face recognition  
tools can identify  
someone gay, why  
not a match-fixer?



There's ten  
times more  
money in  
cricket betting!