

Psychometric Analysis: Software Developers & Security Testers

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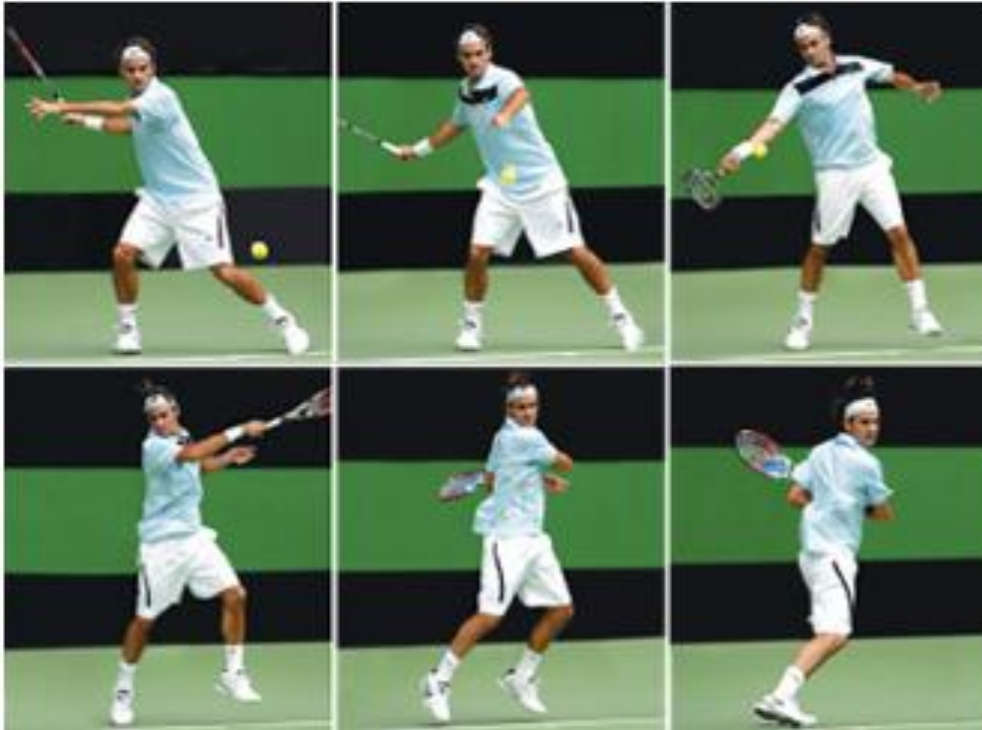
The aspects discussed in this presentation are purely individual observations and opinions. They may not be necessarily correct, specially when generalized.

“Believe nothing, no matter where you read it, or who said it, no matter if I have said it, unless it agrees with your own reason and your own common sense.” - Buddha

Common Statements:

- 75% of security exposures are due to weaknesses in software
- Security should be considered while creating software
- Cost of fixing of security bugs rise exponentially as the development phase progresses
- Security testing identifies the same / similar issues across applications
- Identification of vulnerabilities is easier, fixing it is difficult
- Weaknesses found in earlier tests are not fixed and its time for the next test
- Development is outsourced, who would fix it?

We know the questions, we know the answers. It still doesn't work out.



1. Watch the ball
2. Reach the ball with your feet and not hands
3. Hit the ball at the same height (e.g. just above the waist)
4. Weight forward
5. Left hand balance
6. Complete the swing

How much of it is in the mind?

Rolland Garros / French Open 2010 – Quarter finals (Federer v/s Soderling)

- 16 Grand Slam titles
- World number 1
- Never lost in quarter finals in all majors for the last 6 years
- 12-0 record against Soderling
- 6-3, 3-6, 5-4 up (set point in 3rd set)
- Then came the rail delays
- Federer lost, 3-6, 6-3, 7-5, 6-4
- Main reasons
 - Court wet, balls heavy due to rain
 - Federer's top spin, not effective
 - Soderling's flat shots effective
 - Soderling serving well
- In the final, Nadal beat Soderling 6-4, 6-2, 6-4. Points (100 : 81)
It didn't rain that day !!



Match Summary		
	Federer (SUI)	Soderling (SWE)
1st Serve %	76 of 119 = 64 %	81 of 126 = 64 %
Aces	12	14
Double Faults	2	6
Unforced Errors	27	42
Winning % on 1st Serve	56 of 76 = 74 %	59 of 81 = 73 %
Winning % on 2nd Serve	23 of 43 = 53 %	25 of 45 = 56 %
Winners (Including Service)	40	49
Receiving Points Won	42 of 126 = 33 %	40 of 119 = 34 %
Break Point Conversions	2 of 7 = 29 %	4 of 9 = 44 %
Net Approaches	13 of 17 = 76 %	18 of 30 = 60 %
Total Points Won	121	124
Fastest Serve Speed	212 KMH	227 KMH
Average 1st Serve Speed	196 KMH	209 KMH
Average 2nd Serve Speed	160 KMH	174 KMH

Psychometrics is the field of study concerned with the theory and technique of educational and psychological measurement, which includes the measurement of knowledge, abilities, attitudes, and personality traits

How to build?



There is no "I" in "TEAM"

How to break?



We can't spell "BUGS" without "U"



Acceptances of Weaknesses

We get defensive, never say "I don't know"

We believe in God – It wont happen to me !

We Adjust



$$\text{WEAKNESS} = \text{ASKING HELP} = \frac{1}{\text{KNOWLEDGE / ABILITY}}$$

The Ostrich Syndrome – It wont happen to me





I would prefer to dress up after security check...



Your diving and driving are the same...Always scraping past the edges!



- Cost – 18 crores, 1.32 kms
- 15,000 cubic meters of cement concrete
- 2,500 metric tons of steel
- etc.



My way or the Highway

We always have an opinion

Because its supposed to be this way

Karm Karo, Phal ki chinta mat karo

We always have an opinion



	No.	Wickets	Runs
Tests	4	10	94
ODI's	9	11	33

	No.	Wickets	Runs
Tests	166	44	13447
ODI's	442	154	17598



Its supposed to be this way







I water the seeds !



I cover the holes !



I dig holes !



No worries, the guy who plants the seeds is on holiday today !

We need to leave our comfort zones !





Thank you

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