

ALLERGY

AN ABSOLUTELY WILDE STORY

28.09.2022

<https://twitter.com/sTeamTraen/status/1567521153094230016>

Regarding computer help there is an interesting video

I recolored the Excel Sheet of recent tournaments

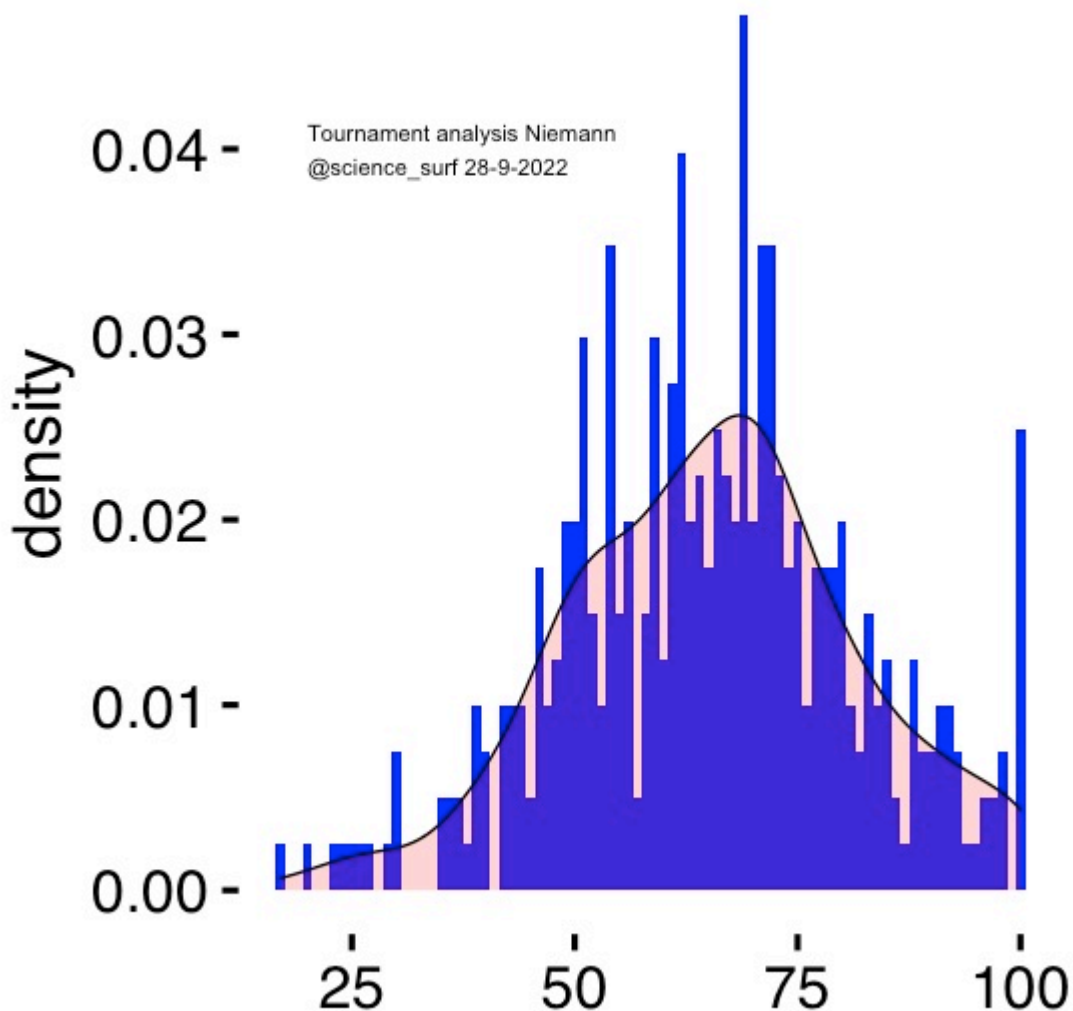
<https://docs.google.com/spreadsheets/d/127lwTsR-2Daz0JqN1TbZ8FglTX9Df9TyX-T1gtjlZ5nk/edit#gid=0...> but cannot detect any pattern. Maybe it does not make sense to analyze completed games but only “super moves”?

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Tournament	TPR	Results	%	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	13th Foxwoods Open		link	49,29	71	46		30	69	59	24	46							
3	ch-USA Cadet 2019		link	53,14	36	55	37	46	75	84	39								
4	47th Annual World Open		link	50,50	39	64	72	81	27	62	20	39							
5	ch-USA Junior 2019	2396	link	55,38	65	71	73		29	30	46	71	58						
6	13th Philadelphia Int		link	60,00	55	85	51	64	53		59	77	36						
7	US Chess Masters 2019	2551	link	59,80	77	51		70		54		47							
8	World Youth Open U16 2019	2410	link	57,00	62	70	62	50		56	64	100	44	23	39				
9	103rd ch-Marshall CC 2019	2613	link	64,13	49	94	72	59	44	71	71	53							
10	29th North American Open		link	64,00	51	47	73	61		54	50	88	88						
11	Marshall GM Norm 2020		link	70,25		81	66	58	83	55	40	100		79					
12	SPICE Cup Open 2020		link	69,44	68	62	61	70	69	62	90	74	69						
13	CCCSA Fall Invitational 2020	2658	link	75,57	96	59	61	72	69	100		72							
14	US Class Master 2020		link	44,00		50	25	57											
15	7th Sunway Sitges 2020	2560	link	72,40	69	80	51	63	72	100	72	73	88	56					
16	5th Vergani Cup Dec 2020	2524	link	66,63	65	66	71	51	73	49	90	68							
17	5th Vergani Cup Jan 2021	2627	link	70,33			86	58	84	54	78	62							
18	Paracin Winter GM 2021	2599	link	67,00		62	83	69	71	38	90		56						
19	Paracin Orbis 1 GM 2021	2501	link	67,67	96	68	79	97	61	49	49	44	66						
20	RADNICKICHESS T2R-GM 2021	2528	link	55,60	17	75	60	61		65									
21	Third Sat Mix 157 2021	2438	link	68,11	98	71	93	55	92	59	42	48	55						
22	1st Spring Weekend 2021	2458	link	65,80	74	43	78	59	75										
23	First GM Mix Bassano 2021	2562	link	69,00	60	50	87	85	100	79	42	49							
24	2nd GM Mix Bassano 2021		link	61,67	76	63	42	45	76	66	66	60	61						
25	1st Easter Bassano Open A	2554	link	64,38	54	54	68		60	70	91	69	49						
26	Third Sat Mix 200 2021	2664	link	74,25		70	66	51	62	98	80	72	95						
27	Vladimir Bato Kontic Mem	2563	link	63,50	48	52	52	53	79	73	69	82							
28	Niksic Mem 2021	2700	link	66,00	73	79	75	52	58	89	50	59	59						
29	National Open 2021		link	63,44	51	89	80	88	83	47	26	77	30						
30	14th Philadelphia Int		link	69,88	100	54	78	62	51	73	72		69						
31	49th Annual World Open		link	70,29		74	63	92	67			60	67	69					
32	ch-USA Junior 2021	2609	link	78,56	68	56	98	81	80	100	85	67	72						
33	121st US Open 2021		link	79,14	71	80	72	97	86		64		84						
34	2nd Tras-os-Montes Open	2535	link	68,57	78	43		63	71		100	67	58						
35	Guimaraes Open 2021	2647	link	62,86			89	63	62	61	59	56	50						
36	TCh-SRB Premier 2021	2664	link	67,82	80	81	56	52	77	64	67	42	82	72	73				
37	4th Sharjah Masters 2021	2700	link	65,88		100	40	83	51	67	54	56	76						
38	Junior U21 Round Table Op	2568	link	66,11	71	54	77	54	64	80	68	62	65						
39	FIDE Grand Swiss 2021	2653	link	73,50	78	51	72	74	79	70	84	83	85		59				
40	President of UZB Prizes	2687	link	67,89	62	69	50	79		48	92	82	68	61					
41	8th Sunway Sitges 2021	2613	link	66,67		66	65	54	67	75	43	91	70	69					
42	Vergani Cup Jan 2022	2633	link	59,33	91	55	37	74	40	66	61	48	62						
43	St Louis Spring A	2762	link	65,11	64	52	69	62	75	54	92	57	61						
44	Kvika Reykjavik Open 2022	2582	link	69,89	71	51	93	52	100	43	71	75	73						
45	55th Capablanca Mem Elite	2857	link	63,88	64	54		53	65	74	70	69	62						
46	27th Sigeman & Co 2022	2842	link	72,43	59	74	65	85	64	91	69								
47	5th Sharjah Masters 2022	2712	link	59,75	35	63	75	63	54	77		44	67						
48	4th Prague Challengers	2766	link	65,50	54	66	78	58	67		66	59	76						
49	Stepan Avagyan Mem 2022	2621	link	63,63	71		83	50	48	56	46	78	77						
50	Bundesliga 2021-22		link	74,57							69	88			72	69	68	93	63
51	TCh-TUR Super League 2022	2699	link	53,00										51	49	47	69	49	
52	2022 Siquefield Cup, St Louis	2688	link	57,33	62	72	69	35	61	46	80	46	45						

The distribution of scores (in particular scores >72) is, however, suspicious as there are way too many 100' scores.

```
read.xlsx(fn, sheet = "Sheet1", startRow = 1, colNames = TRUE,  
rowNames = FALSE, rows = NULL, cols = NULL, check.names = FALSE) %>%  
  select(1,5:19) %>%  
  slice(1:51) %>%  
  melt(., id.vars="Tournament") %>%  
  ggplot( aes(x=value) ) +  
  geom_histogram(binwidth=1, aes(y=..density..),fill="blue") +  
  geom_density(alpha=.2, fill="red")
```

which produces



Oct 6, 2022

Chess.com published the Niemann report at

<https://www.chess.com/blog/CHESScom/hans-niemann-report> saying

in our view there is a lack of concrete statistical evidence that he cheated in his game with Magnus or in any other over-the-board (“OTB”)—i.e., in-person—games. ... While his performance in some of these [online] matches may seem to be within the realm of some statistical possibility, the probability of any single player performing this well across this many games is incredibly low ... The basic concept of cheat detection, particularly at the top level of chess, is both statistical and manual, involving:

- Comparing the moves made to engine recommended moves
- Removing some moves (opening, some endgame)
- Focusing on key/critical moves
- Discussing with a panel of trained analysts and strong players
- Comparing player past performance and known strength profile
- Comparing a player’s performance to performances of comparable peers
- Looking at the statistical significance of the results (ex. “1 in a million chance of happening naturally”)
- Looking at if there are behavioral factors at play (ex. “browser behavior”)
- Reviewing time usage when compared to difficulty of the moves on the board

Chess.com employs highly-rated and Grandmaster (GM) Fair Play Analysts precisely because there are many situations where humans are required to understand how “human” vs. “computer” a move actually is. Human chess and computer chess are different, even at the highest levels. The best humans play at an Elo rating of 2800. “Stockfish,” the most powerful chess engine, has an estimated rating of more than 3500...