

Statistics of chess games played by Stockfish

Emilia Salvesen Kozarevic and Victor Windsor Torbjørn Norris

March 10, 2023

1 Section one - Figures:

The following are figures:

1.1 Statistics over games won, tied and lost

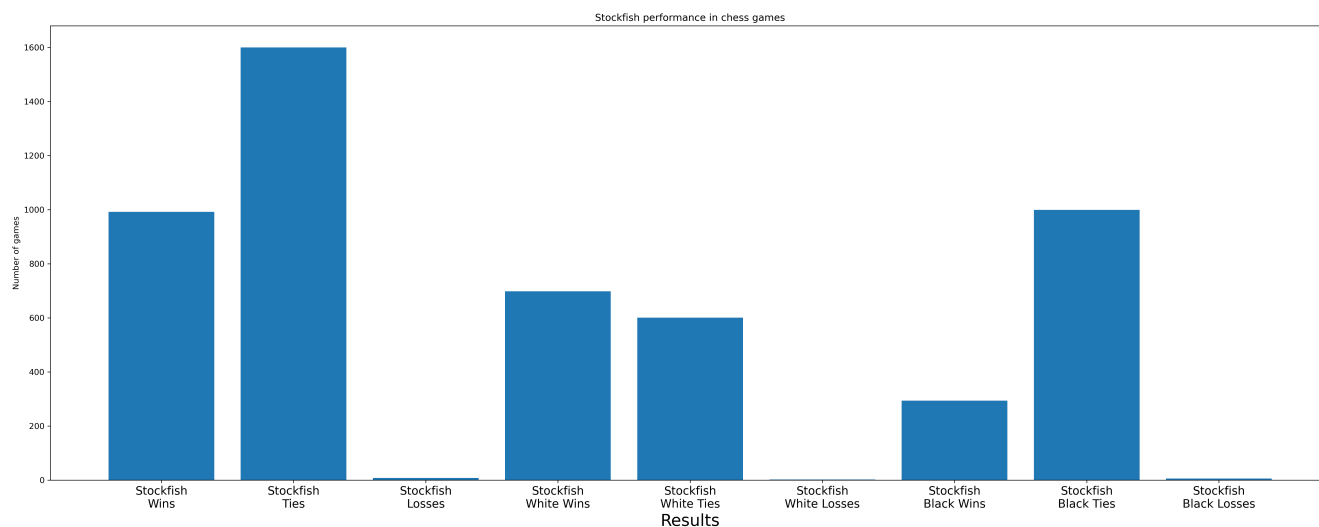


Figure 1: A plot of Stockfish performance in chess games. In total, with white and with black pieces.

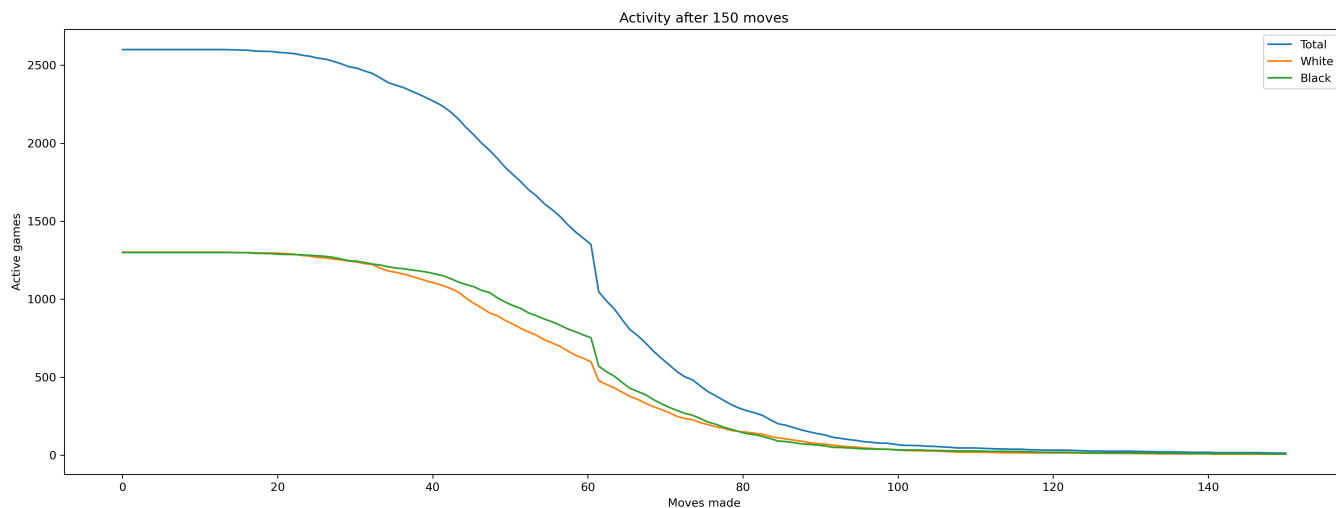


Figure 2: A plot of active games after x moves. Shows the plot for total games, games played as white by stockfish and as black by stockfish

1.2 Lineplot

1.3 Statistics of mean and standard deviation:

1.4 Statistics over most popular openings

2 Section two - Opening Tree:

The following section is a tree for a selected chess opening.

2.1 Opening tree

Color	Mean	Standard Deviation
Total	59.934	19.539
White	58.55	19.725
Black	61.32	19.252

Figure 3: Stats for all games, white games and black games by stockfish

Color	Sicilian - 582	QGD - 120	French - 130	Ruy Lopez - 164	Caro-Kann - 122	English - 153	Queen's Indian - 102
White Wins	151	28	42	47	36	43	26
Black Wins	89	9	11	15	11	17	10
Ties	342	83	77	102	75	93	66

Figure 4: A table with the most popular openings, as well as stats for these

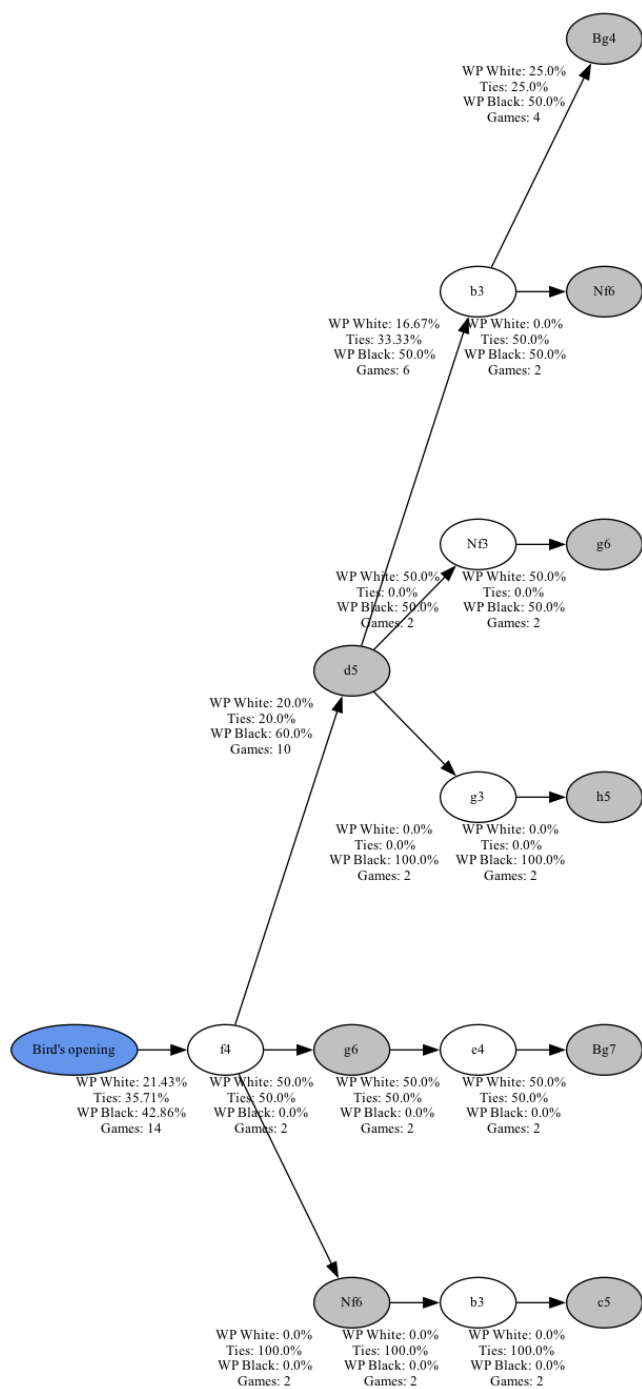


Figure 5: A plot of an opening tree