



Imperial Esports Performance in 2022

Analysis of the CSGO Brazilian Team

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This document is merely an output of a personal project that seeks to train my data collection and analytical skills

Context

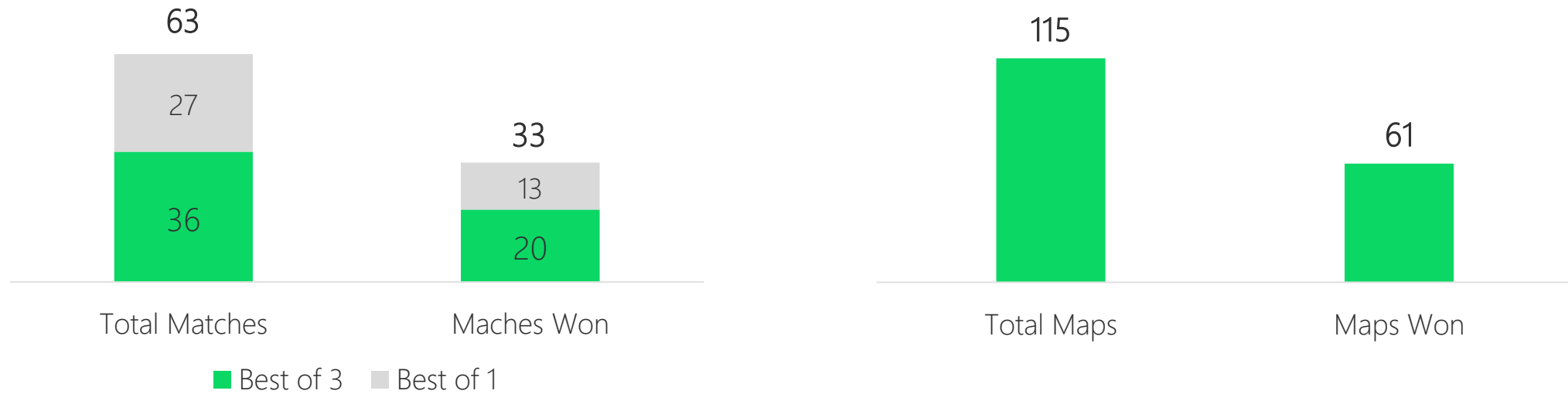
This presentation analyzes Imperial performance during 2022. Imperial Esports is a Brazilian professional CSGO team that gained notoriety last year after FalleN announced his Last Dance project. After several tournaments and changes of players, this presentation seeks to bring any insight on Imperial's performance during 2022.

Summary

- ▶ In 2022, Imperial played a total of 63 matches (bo1 and bo3), in which 57% of them were bo3 and 43% bo1.
- ▶ From all matches played in 2022, Imperial won half of them (20 out of 36 bo3 matches won and 13 out of 27 bo1 matches won).
- ▶ Inferno and Overpass represented 44% of the maps played, followed by Nuke, Dust2 and Mirage (44%) and Vertigo and Ancient (11%).
- ▶ Overpass was the map that Imperial had the highest winning rate (70%) followed by Inferno (60%); Mirage, Nuke and Dust2 had a winning rate of 50% and Vertigo had the lowest (20%).
- ▶ The team summed up 10.4k kills and 10.0k deaths, having fer with the highest number of kills (2.3k) while FalleN with the lowest number of deaths (1.9k) and the best kd-ratio (1.14) of the team.
- ▶ Highest winning rate did not necessarily require a high kd-ratio: Mirage and Nuke had lower winning rate, although they had similar/better kd performance than Overpass and Inferno.
- ▶ In the aggregated level, players had similar kd-ratio performance during 2022, although this changes by map. FalleN had one of the highest kd-ratio among all maps, while boltz had the highest kd-ratio on Overpass, fer on Nuke and chelo on Vertigo.
- ▶ Lower winning rate of Vertigo is partially explained by players low kd-ratio.

In 2022, Imperial played a total of 63 matches, totaling 115 maps

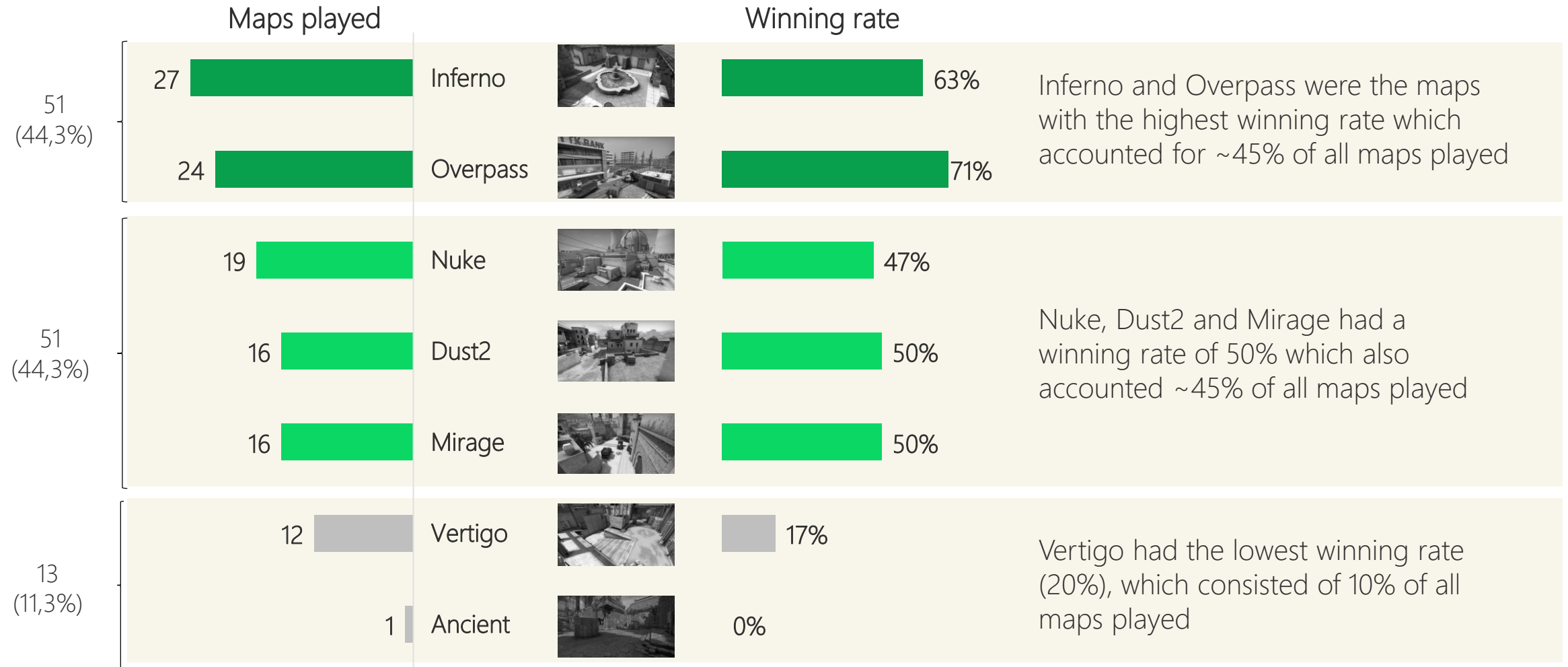
Number of matches and maps played in 2022



- From all matches and maps played in 2022, Imperial won half of them (52%)
- Team played and won more bo3 matches than bo1 matches
- Imperial played an average of ~8 matches in each month

Inferno and Overpass were the most played maps in 2022

Maps played and winning rate (total wins/total played)

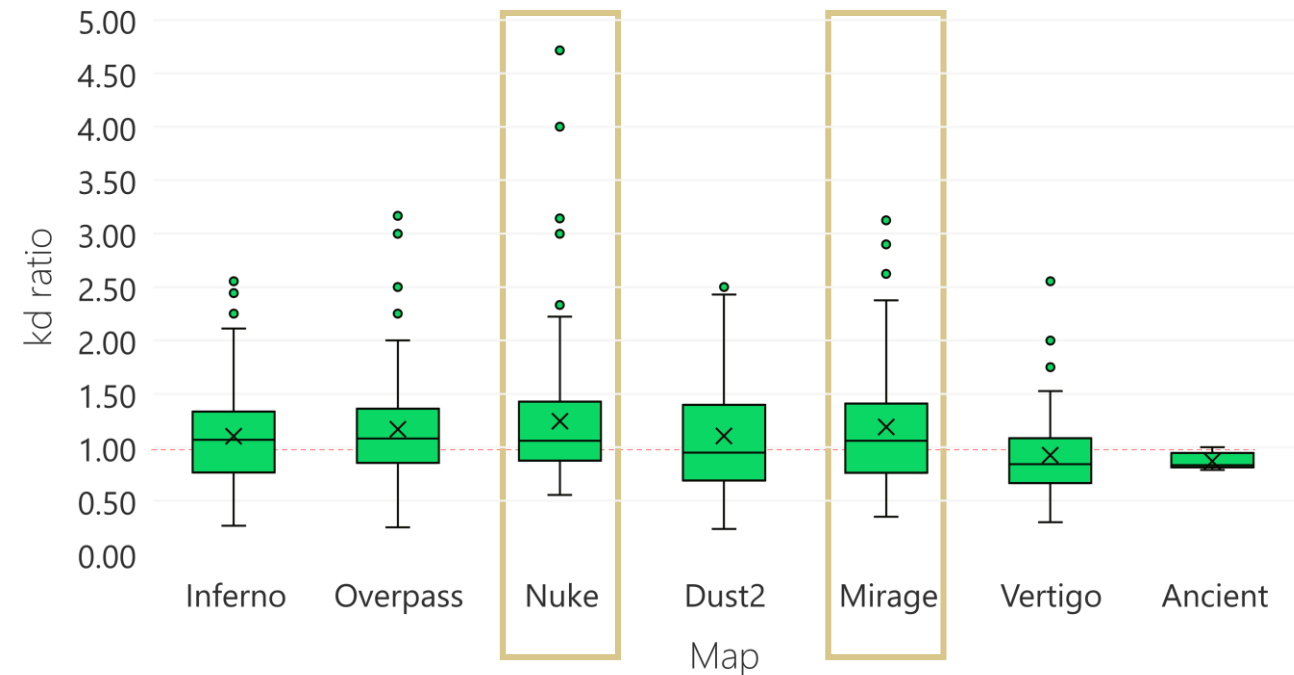


Imperial's kd-ratio was 1.04, summing 10.4k kills and 10.0k deaths

Total sum of kills and deaths per map in 2022

Map	Total Kills	Total Deaths	KD-Ratio
Inferno	2,349	2,234	1.05
Overpass	2,369	2,191	1.08
Nuke	1,752	1,574	1.11
Dust2	1,440	1,418	1.02
Mirage	1,427	1,333	1.07
Vertigo	1,058	1,184	0.89
Ancient	81	93	0.87
Total	10,476	10,027	1.04

Distribution of individual kd ratio per map



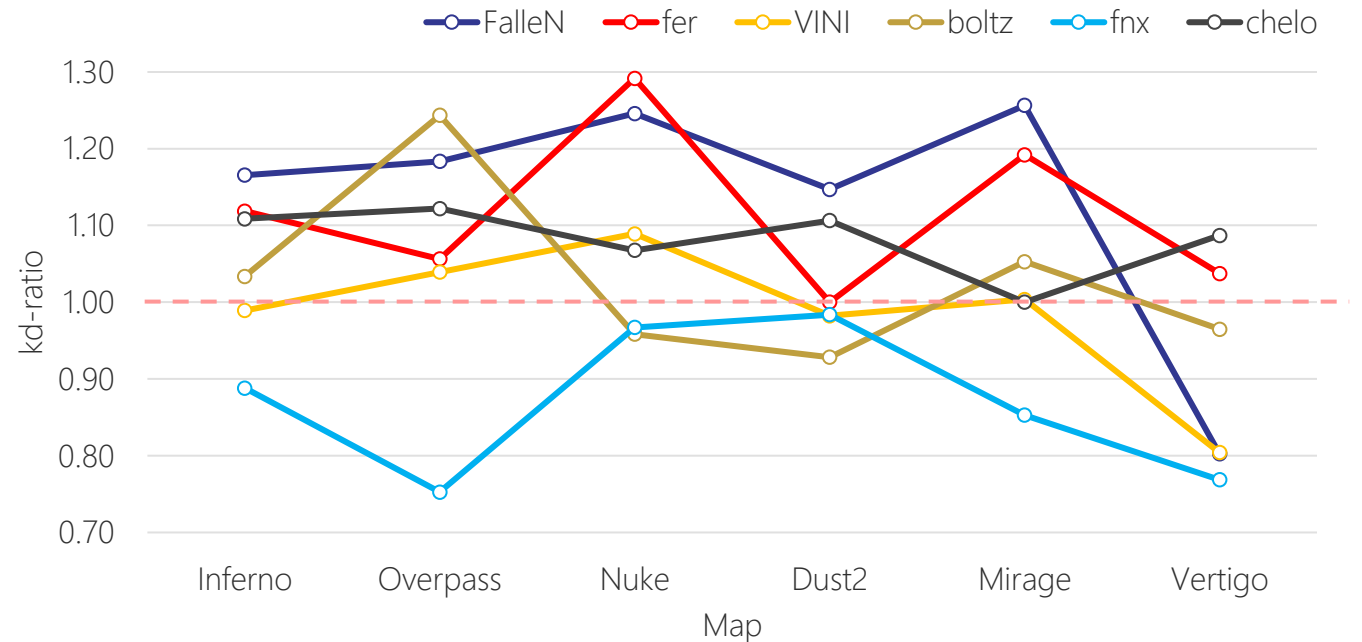
- Although Imperial's kd performance on maps Nuke and Mirage is similar to Inferno and Overpass, we checked that the team had a lower winning rate on those former maps.

High variance on kd-ratio among Imperial players

Total sum of kills and deaths per player in 2022

Player	Total Kills	Total Deaths	KD-Ratio
FalleN	2,142	1,876	1.14
fer	2,327	2,093	1.11
VINI	2,039	2,050	0.99
boltz	2,049	1,964	1.04
fnx	1,243	1,429	0.87
chelo	676	615	1.10
Total	10,476	10,027	1.04

Individual kd ratio per map in 2022



- Even though there are high variance of player's kd-ratio among maps, their overall performance are relatively similar, which gives the team more flexibility and leverage to play multiple maps
- FalleN had one of the highest kd-ratio among all maps, apart from boltz on Overpass, fer on Nuke and chelo on Vertigo.
- Lower winning rate of Vertigo is partially explained by players' low kd-ratio.