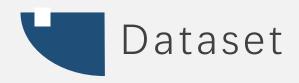


Goal

- 1. Provide some advice to players to gain a higher rank
- 2. Try to detect some cheaters



Aggrega te

player_dist_ride	player_dist_walk	player_dmg	player_kills	player_name	player_survive_time	team_id	team_placement
2870.72400	1784.847780	117	1	Snuffles	1106.320	4	18
2938.40723	1756.079710	127	1	Ozon3r	1106.315	4	18
0.00000	224.157562	67	0	bovize	235.558	5	33
0.00000	92.935150	0	0	sbahn87	197.553	5	33
2619.07739	2510.447000	175	2	GeminiZZZ	1537.495	14	11

Deaths

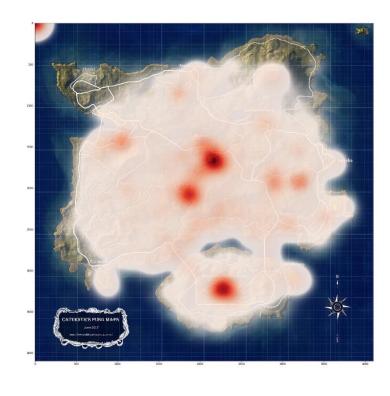
killed_by	killer_name	killer_placement	killer_position_x	killer_position_y	map	match_id	time
Grenade	KrazyPortuguese	5.0	657725.10	146275.2	MIRAMAR	2U4GBNA0YmnLSqvEycnTjo- KT000vfUnhSA2vfVhVPe1QB	823
SCAR-L	nide2Bxiaojiejie	31.0	93091.37	722236.4	MIRAMAR	2U4GBNA0YmnLSqvEycnTjo- KT000vfUnhSA2vfVhVPe1QB	194
S686	Ascholes	43.0	366921.40	421623.9	MIRAMAR	2U4GBNA0YmnLSqvEycnTjo- KT000vfUnhSA2vfVhVPe1QB	103
Down and Out	Weirdo7777	9.0	472014.20	313274.8	MIRAMAR	2U4GBNA0YmnLSqvEycnTjo- KT000vfUnhSA2vfVhVPe1QB	1018
M416	Solayuki1	9.0	473357.80	318340.5	MIRAMAR	2U4GBNA0YmnLSqvEycnTjo- KT000vfUnhSA2vfVhVPe1QB	1018

Death part



Death Place (Erangel)

Entire match



Four minutes





Death Place (Miramar)

Entire match

Four minutes





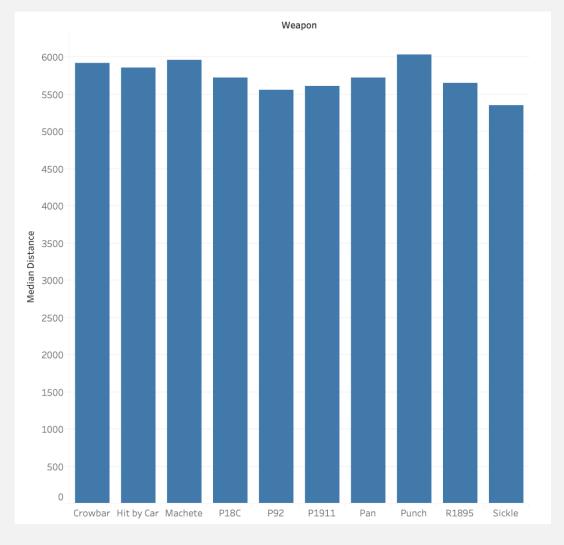
Death Reasons

Down and Out	SCAR-L	S1897		Mini 14	Punch
M416	AKM	Kar98k	S686	S12K	SKS
	UMP9	Grenade C Vec		911 P92	Falling
M16A4	Bluezone			vss own	

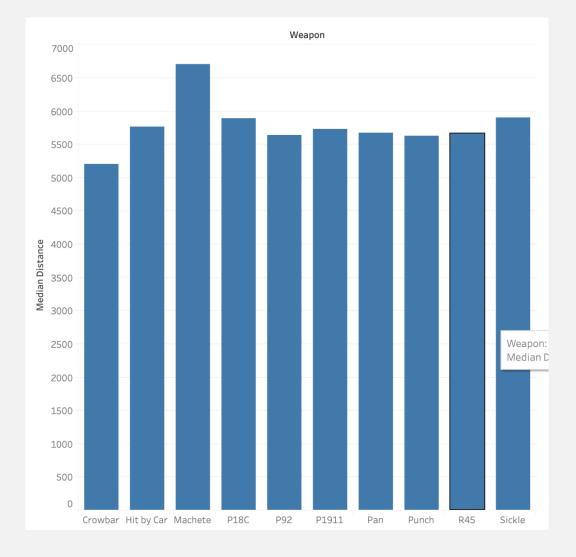


Mostly Used Weapons by Cheaters

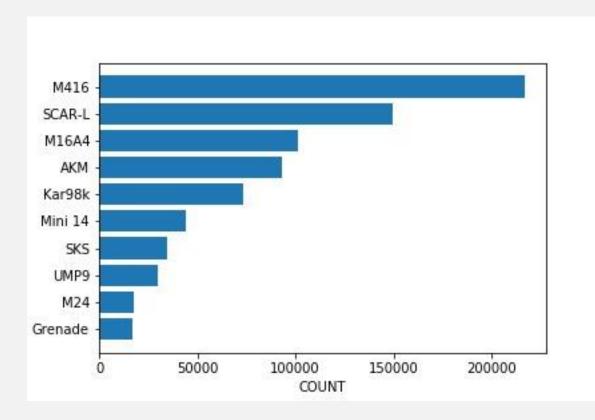
Erangel



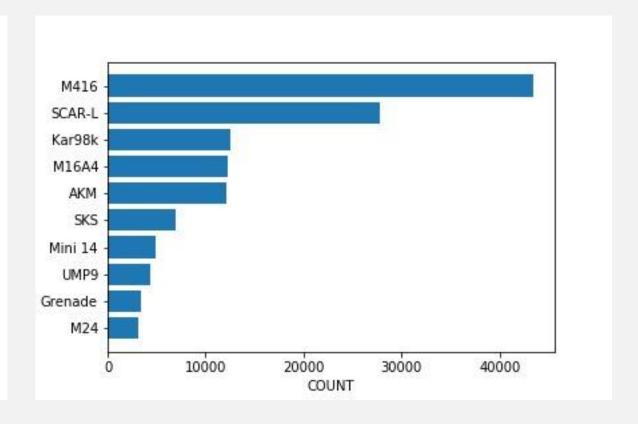
Miramar



Erangel



Miramar



Aggregate part



Too many classes?

Divide into 3 categories

SMOTEEN

- 1st, 2nd-10th, 11th-
- Imbalanced?

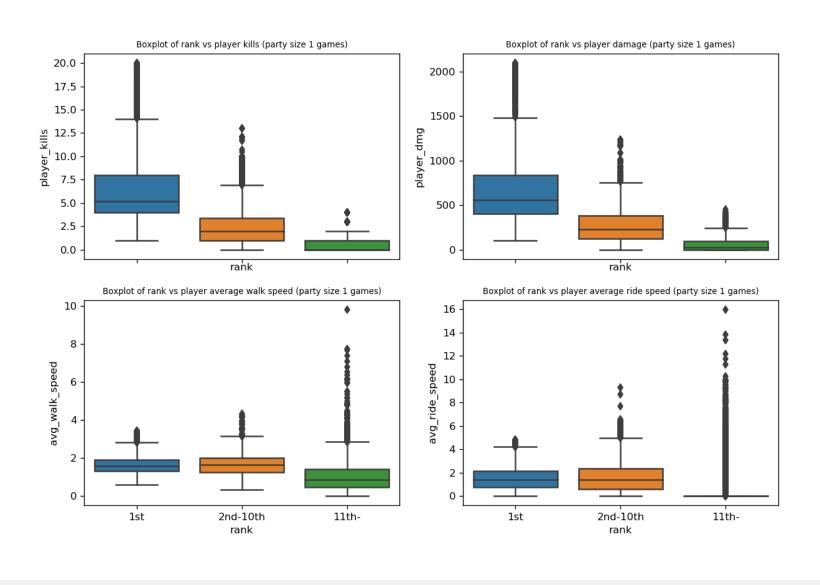
Balanced data with 3 classes

Done

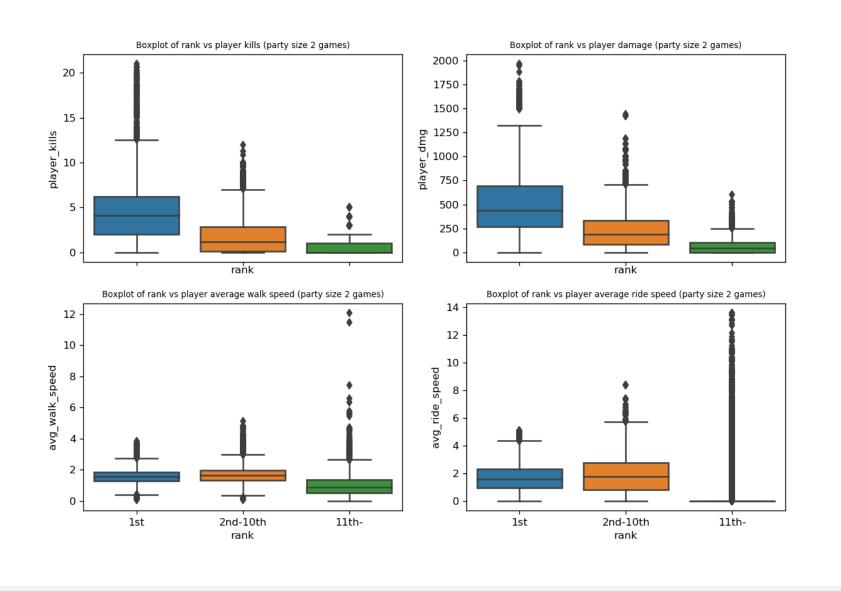
Aggregate——Prediction

		Random Forest	KNN	Adaboost	Logistic Regression
party size 1	Training	97%	98%	100%	77%
party size 1	Testing	97%	97% 97%	96%	77%
	Training	94%	97%	97%	70%
party size 2	Testing	94%	95%	90%	70%
	Training	92%	96%	98%	75%
party size 4	Testing	93%	93%	90%	75%

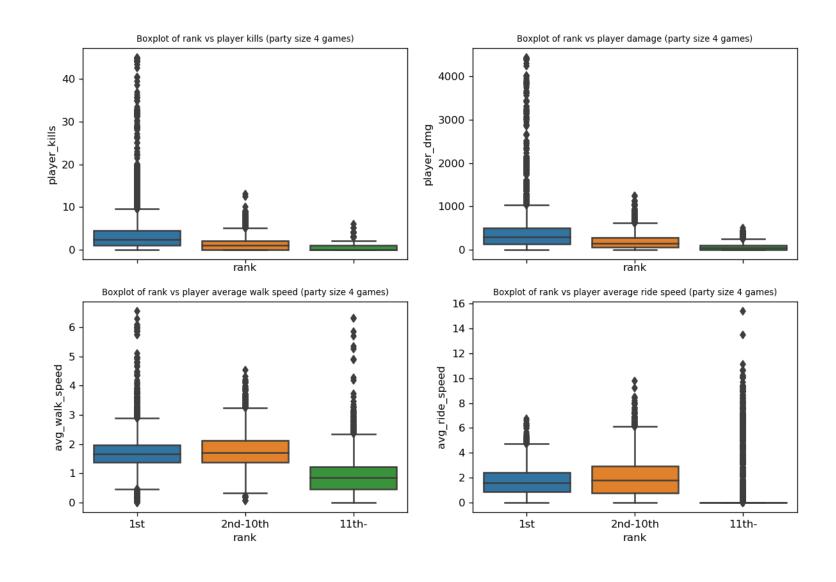
Aggregate——Party Size 1



Aggregate——Party Size 2



Aggregate——Party Size 4



Strategy Analysis

The most popular weapons are M416, followed by SCAR-L. And the best sniper is Kar98K

Perhaps you can avoid those areas that have high death rate in the first four minutes.

Kill more players, cause more damage, walk and drive faster

1 It is player kills and player damage that count.

2 Average driving speed and player damage are most important.

3 Focus more on two average moving speed.

