

Pokemon Recommender

Find the most similar pokemons!



Motivation



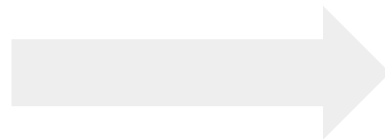
Like certain pokemon



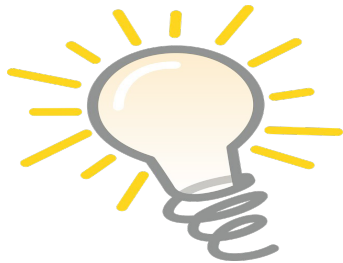
Want to find similar ones



Open a pokemon encyclopedia



Open our app



Let's Try it!



Data



801 Pokemons
40+ Attributes



Store in Database

input	recommendation
Klink	Beldum
Whimsicott	Froslass
Marshomp	Grotle
Raichu	Mismagius
Anorith	Mankey

+

	name	sp_attack	sp_defense	hp	attack	defense	speed	type1	type2	abilities	generation	weight_kg
0	Bulbasaur	65	65	45	49	49	45	grass	poison	['Overgrow', 'Chlorophyll']	1	6.9
1	Ivysaur	80	80	60	62	63	60	grass	poison	['Overgrow', 'Chlorophyll']	1	13.0
2	Venusaur	122	120	80	100	123	80	grass	poison	['Overgrow', 'Chlorophyll']	1	100.0
3	Charmander	60	50	39	52	43	65	fire	NaN	['Blaze', 'Solar Power']	1	8.5
4	Charmeleon	80	65	58	64	58	80	fire	NaN	['Blaze', 'Solar Power']	1	19.0

Training Features

Display Information

Algorithm and Metrics

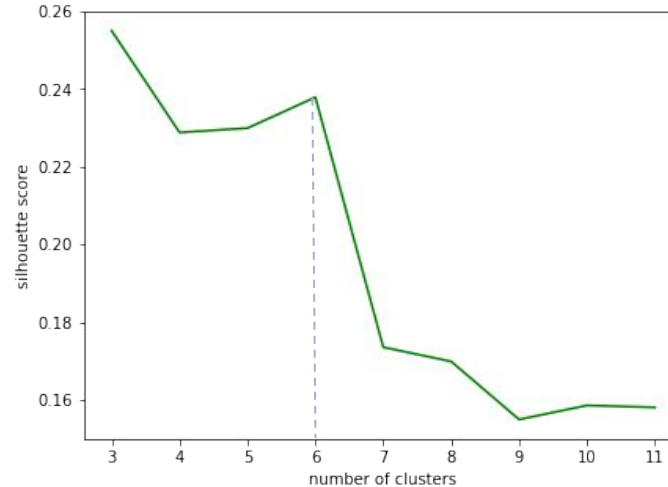
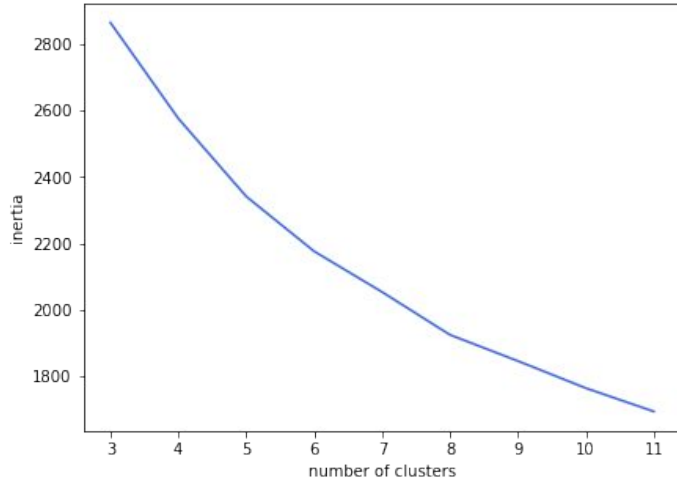
k-means
clustering with
 $k = 6$



Item similarity:
pairwise distance



Get
Recommendation
from 10 closest



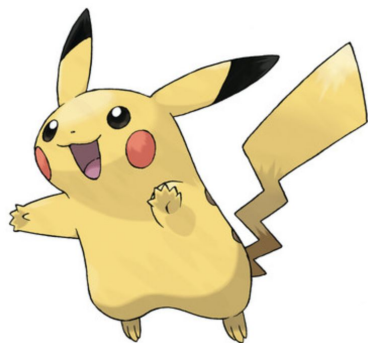
User Engagement

Recommendation
Precision

Insights

Who is the most similar pokemon to Pikachu?

Blitzle



Base stats

HP	35	<div></div>
Attack	55	<div></div>
Defense	40	<div></div>
Sp. Atk	50	<div></div>
Sp. Def	50	<div></div>
Speed	90	<div></div>
Total	320	

Base stats

HP	45	<div></div>
Attack	60	<div></div>
Defense	32	<div></div>
Sp. Atk	50	<div></div>
Sp. Def	32	<div></div>
Speed	76	<div></div>
Total	295	

Have Fun!

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- [LinkedIn](#)

- [Github](#)