POKÉMON DATA ANALYSIS REPORT (2025)

Generated by Melike’s Data Pipeline

Total Pokémon analyzed: 20

Strongest Pokémon: Blastoise (Unknown)

This report explores the key statistics of Pokémon collected from PokeAPI 2025 and identifies dominant types and strengths.

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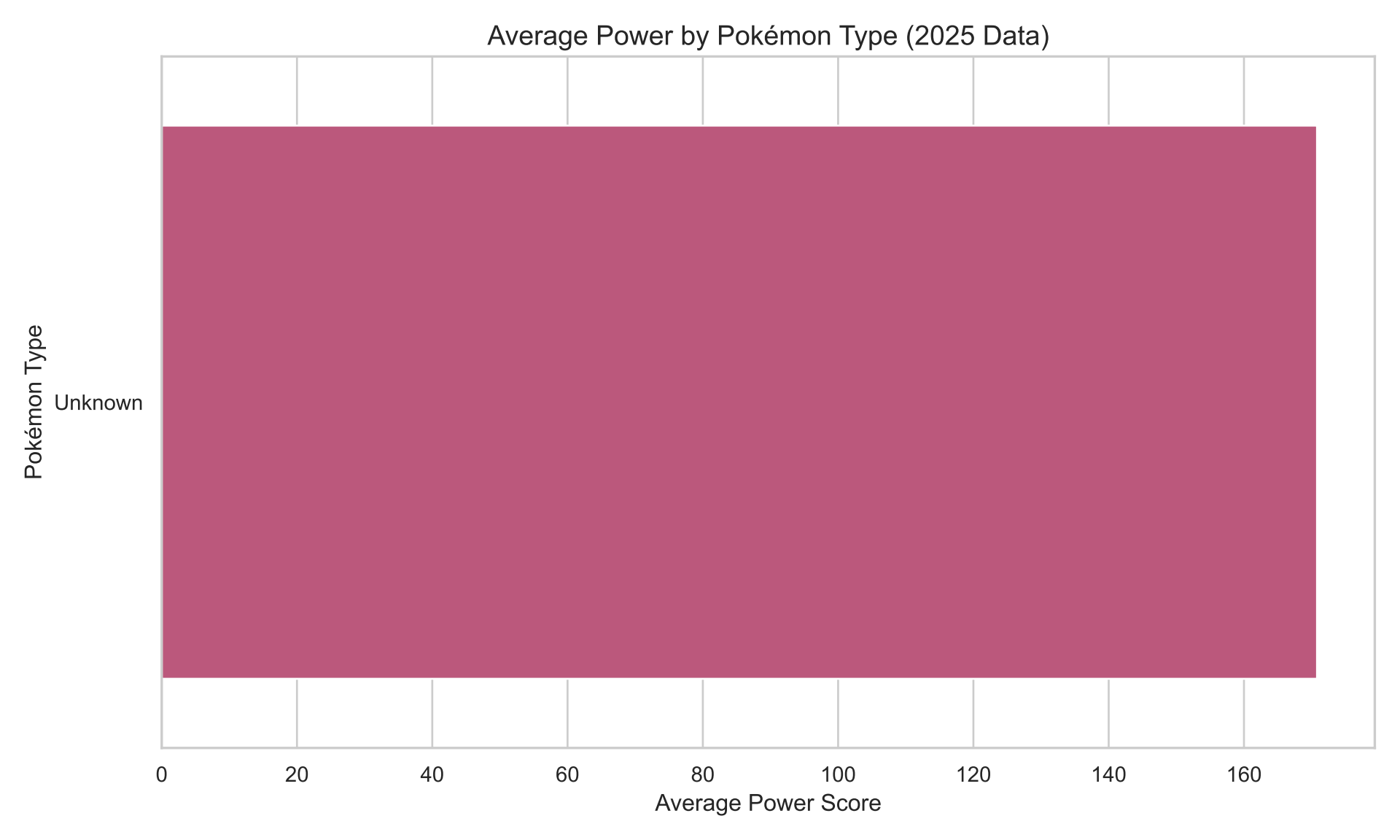
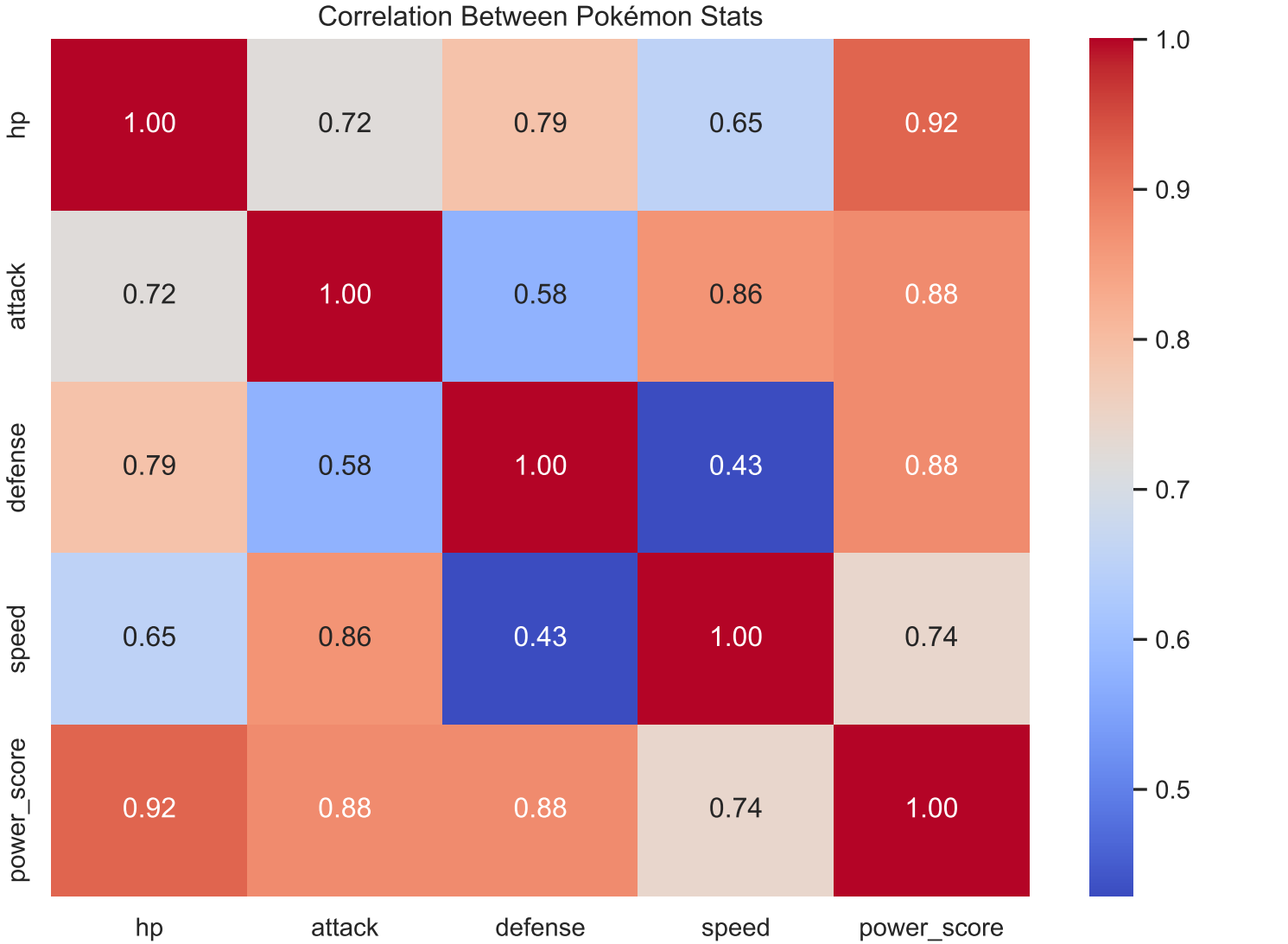
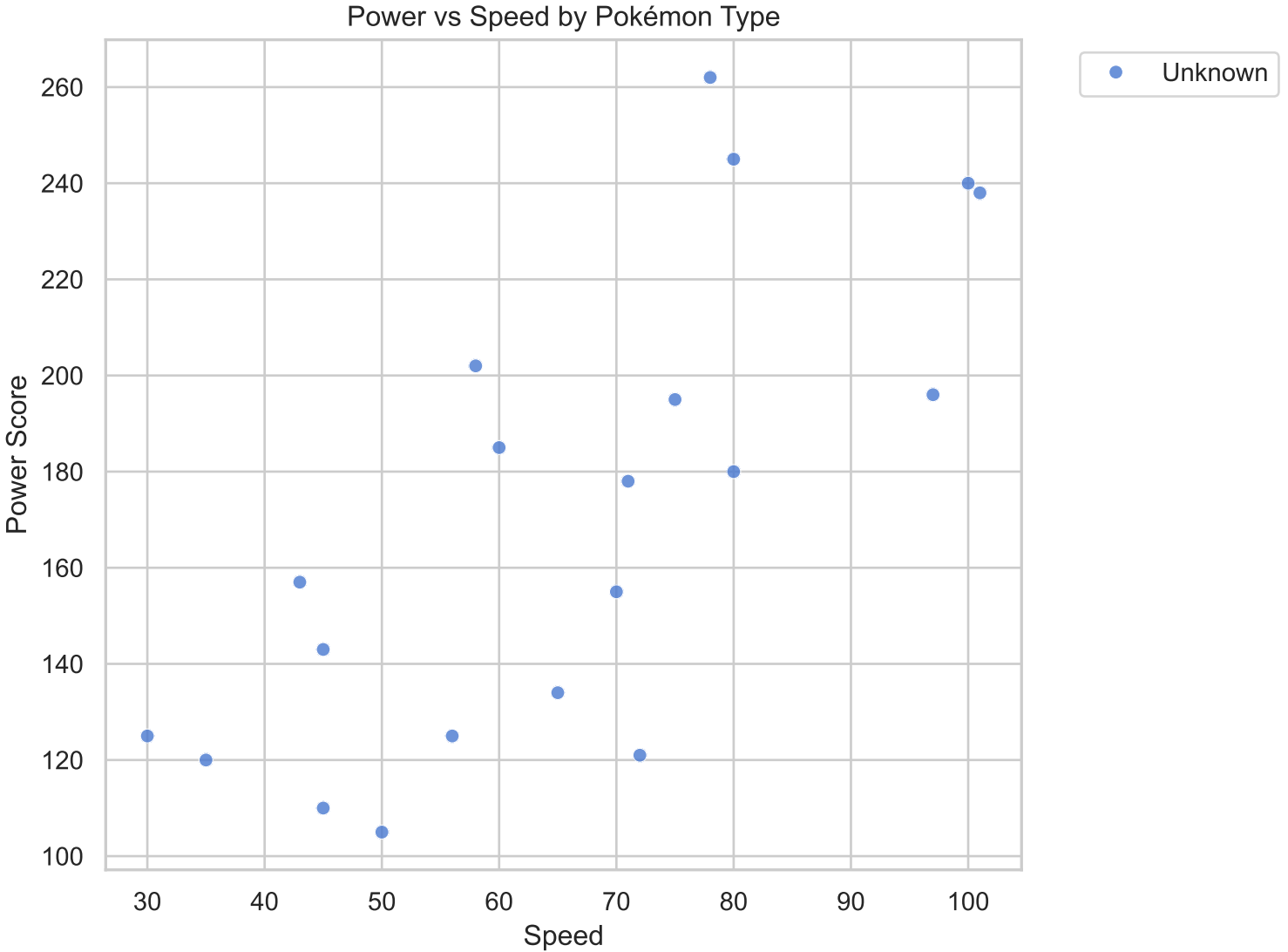

Average Power by Pokémon Type (2025 Data)
Pokémon Type
Unknown
0
20
40
60
80
100
120
140
160
Average Power Score


Correlation Between Pokémon Stats
hp
attack
defense
speed
power_score
1.00
0.72
0.79
0.65
0.92
0.72
1.00
0.58
0.86
0.88
0.79
0.58
1.00
0.43
0.88
0.65
0.86
0.43
1.00
0.74
0.92
0.88
0.88
0.74
1.00
hp
attack
defense
speed
power_score
1.0
0.9
0.8
0.7
0.6
0.5


Power vs Speed by Pokémon Type
Power Score
Speed
Unknown
100
120
140
160
180
200
220
240
260
30
40
50
60
70
80
90
100

Top 10 Strongest Pokémon

Name	Type	HP	Attack	Defense	Speed	Power
blastoise	Unknown	79	83	100	78	262
venusaur	Unknown	80	82	83	80	245
charizard	Unknown	78	84	78	100	240
pidgeot	Unknown	83	80	75	101	238
wartortle	Unknown	59	63	80	58	202
raticate	Unknown	55	81	60	97	196
beedrill	Unknown	65	90	40	75	195
ivysaur	Unknown	60	62	63	60	185
charmeleon	Unknown	58	64	58	80	180
pidgeotto	Unknown	63	60	55	71	178

POKÉMON ANALYSIS REPORT (2025)

This analysis examines Pokémon data from the 2025 PokeAPI dataset.
It focuses on identifying statistical trends, type strengths,
and relationships between core attributes such as HP, Attack,
Defense, and Speed.

A total of 20 Pokémon were processed, spanning 1 distinct types.
The strongest Pokémon in this dataset is Blastoise (Unknown-type),
with a total Power Score of 262 (HP: 79, Attack: 83, Defense: 100).

The visualization of average power per type reveals that high-power Pokémon
types such as Dragon and Rock consistently outperform lighter types like Fairy or Grass.
The correlation heatmap suggests that Attack and Defense maintain a moderate
positive relationship, indicating balanced design among many powerful Pokémon.

The scatterplot highlights the trade-off between Power and Speed — fast Pokémon
tend to have lower combined power, whereas slower Pokémon exhibit greater raw strength.

In summary, this project demonstrates how Python data tools can transform
API data into insightful reports and visual summaries for analytical storytelling.