Pokemon Data Analysis Challenge

**Challenges Involved:**

* Challenge 1: The Weight of Experience
* Challenge 2: Defensive Matrix Analysis
* Challenge 3: Statistical Anomaly Detection
* Challenge 4: Classification Pattern
* Challenge 5: The Final Synthesis

1. The Weight of Experience :

* <https://www.geeksforgeeks.org/finding-mean-median-mode-in-python-without-libraries/>

The link tells how to find mean,median,mode using in-built functions(without any libraries)

* <https://numpy.org/doc/2.0/reference/generated/numpy.median.html>

Calculate median using numpy

1. Defensive Matrix Analysis

* <https://www.w3schools.com/python/pandas/ref_df_count.asp>

Count using pandas

1. Statistical Anomaly Detection :

* <https://www.geeksforgeeks.org/z-score-in-statistics/>

To understand what z-score is and its importance

* <https://www.geeksforgeeks.org/scipy-stats-zscore-function-python/>

Calculate z-score in python.

1. Classification problem :

* <https://www.w3schools.com/python/ref_stat_mean.asp>

Calculate mean(average) in python

1. The Final Synthesis :

* Print the inferences drawn from the previous tasks

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