

Data cleaning logs
-data acquired from pvpoke.com on feb 18!
2/18/2024 15:26:00 Cleaning and Analyzing data with SQL

1. Uploading dataset csv uploaded cp10000_all_overall_rankings on SQL dataset 'pokemon'
2. Creating a new table in SQL ml100_casestudy
3. Writing queries to clean and organize

```
SELECT *
FROM `coursera-411817.pokemon.ml100_casestudy`
ORDER BY(Score) DESC
LIMIT(101)

#here top 100 ml pvp pokemon have a
Score >= 75.2
```
4. Storing this new data in a new table ml_top100_casestudy
5. Cleaning ml_top100_casestudy dataset
 1. Grouping by Type_1
 2. Ordering by number of Type_1 DESC

```
SELECT
Type_1, COUNT(Type_1) AS Num_Type_1
FROM `coursera-411817.pokemon.ml_top100_casestudy`
WHERE Score >= 75.2
GROUP BY Type_1
ORDER BY Num_Type_1 DESC
```
6. Storing new data in new table in SQL 'ml_top_100types_casestudy'
there are 16 different Pokémon types in the top 100
7. Now sorting the top 10 by limiting Pokemon top groups

```
SELECT
Type_1, COUNT(Type_1) AS Num_Type_1
FROM `coursera-411817.pokemon.ml_top100_casestudy`
WHERE Score >= 75.2
GROUP BY Type_1
ORDER BY Num_Type_1 DESC
LIMIT 10
```
8. Store the new dataset as new csv
'ml_top10_types_casestudy.csv'
And download this table as .CSV file
9. Also download the
'ml_top100_types_casestudy.csv'
- # For data visualizations
All files stored in map Desktop>CASE_STUDY>CASESTUDY_Masterleague>pvpdata

2/18/2024 16:04:31 Data analysis and data visualization with
Google spreadsheets

1. Importing data in google spreadsheets
 - a. Import 'ml_top10_type_casestudy.csv'
 - b. Clean data and make charts
ml_top10_types_casestudy_table_V2,
ml_top10_types_casestudy_table_V2 is a table chart
All tables stored on desktop file CASE_STUDY>CASESTUDY_Masterleague>images_casestudy>charts

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Data visualization with Tableau

1. Importing dataset 'ml_top10_types_casestudy'
2. Importing dataset 'ml_top100_types_casestudy'

Creating bubble chart and horizontal bar chart

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Creating new dataset in Google Spreadsheets

1. Adding and converting encounter numbers into encounter rate percentage
2. Designing new table chart with Pokemon type, Number of encounters, and Encounter rate percentage
3. Downloading table chart and uploading on presentation
File names: 'Number_per_type and Encounter_rate.png'
'ml_top10_types_casestudy_V2'

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Data Visualization with Tableau

1. Uploaded dataset 'ml_to10_types_casestudy_V2'
2. Design horizontal barchart
3. Design barchart
4. Design bubble chart

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1. Case study presentation with Google Slides
2. Download, store and upload images on slides
3. Upload created charts on Google Slides