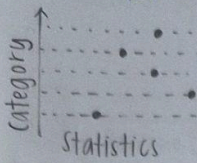
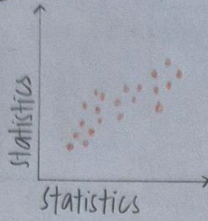


IDEAS

1. Dot Plot



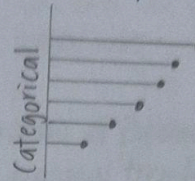
2. Scatterplot



3. Bubble



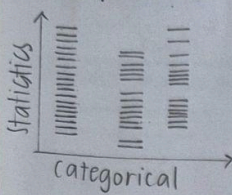
4. Lollipop Chart



5. Violin Plot



6. Strip Plot



7. Line chart



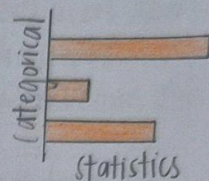
8. Pie chart



9. Connected Scatterplot



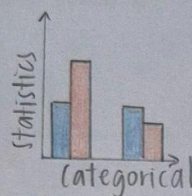
10. Bar Chart



11. Histogram



12. Paired Column



13. Proportional Symbol



14. Isotype



15. Choropleth



16. Radial Plot



17. Dot Density Map



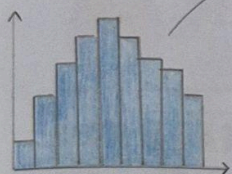
Categorize

1. Downloads and Users
2. Cost and Revenue
3. Pokémon Interest in Malaysia

4. Base Stats

5. Top 10 Attackers and Defenders
6. Player's Preference

Filter



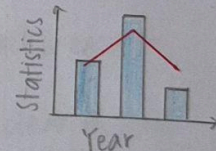
Histogram is less suitable to compare different Pokémon types because it only shows the distribution of one variable at a time.



Pictogram is not suitable because it emphasizes count or proportions rather than detailed numerical values, making it hard to compare most of my continuous data.

COMBINE & REFINE

Line chart + Bar chart



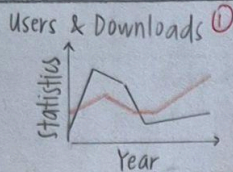
QUESTION

1. Is the visualisation too complicated for people unfamiliar with Pokémon?
2. Is the visualisation able to be implemented in Vega-Lite?
3. Can the visualisation be completed within the deadline?
4. Will the downloadable size of the visualisation be too large?

INDEX

Pokémon GO

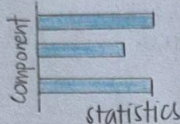
Introduction



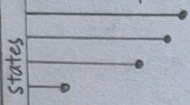
Annual Revenue



Cost Breakdown



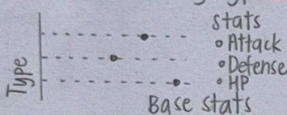
Interest Comparison across Region



Explanation

Best Base stats of each Pokémon Primary Type

Explanation



Top 10 Attackers



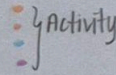
Explanation

Top 10 Defenders

Explanation



PREFERENCES



OPERATION

- SELECT -
S+ Tier
A Tier

Dropdown menu
to let user choose

Tooltip:

- * need relevant values (e.g. cost) depending on chart
- * hover mouse over the data point (line, bar, ...)

Stats

⊙ Attack

⊙ Defense

⊙ Stamina

Select option

Title: Pokémon GO

Author: Cornelia Lee Wen Rong

Date: 5/10/2025

Sheet: 2

Task: Analysis of Pokémon GO's users, revenue, regional trends, pokémon's stats and players' preference.

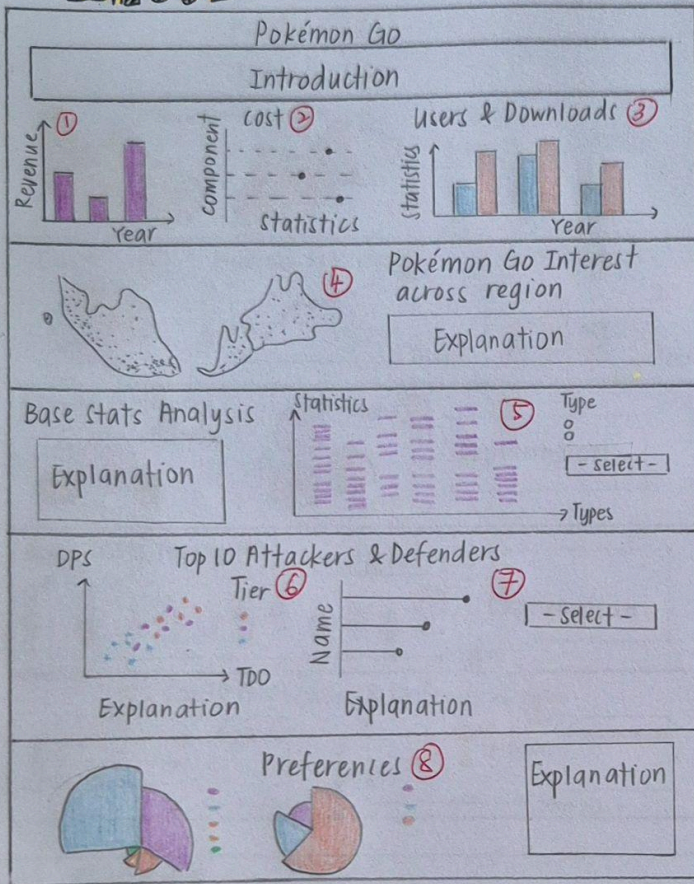
FOCUS (no main focus)

1. To compare Pokémon GO users and downloads across the years.
2. To show Pokémon GO revenue trends across the years
3. To show the cost breakdown for each development component
4. To show regional interest in Pokémon GO across Malaysia by rank
5. To show the best Pokémon base stats across different types.
6. To visualise how score vary with DPS and TDO across different tier.
7. To show the relationship between defense and stamina
8. To show players' preference across different categories.

DISCUSSION

- ✓ Uses simple graphs which is easy to interpret
- ✓ Well segmented into clear sections
- ✓ Bar chart effectively shows the difference between each development cost
- X Pie chart is hard to compare size slices, especially when value is closed.
- X Dot plot doesn't compare the distribution of all Pokémon base stats, may have outliers.
- ? Is the visualisation able to be implemented in Vega-Lite
- ? Is the information useful

LAYOUT



FOCUS

1. To compare Pokémon GO revenue across each year
 2. To show the cost breakdown for each development component.
 3. To compare Pokémon GO users and downloads side by side
 4. To show regional interest in Pokémon GO by plotting dots representing players' activity
 5. To show distribution of all Pokémon base stats across different types
 6. To show the relationship between DPS and TDO
 7. To visualise the top 10 defender ranked by defender score
 8. To show player's preference across different categories.
- * All graphs are equally important, no main focus

Title: Pokémon Go

Author: Cornelia Lee Wen Rong

Date: 5/10/2025

Sheet: 2

Task: Analysis of Pokémon GO's users, revenue, regional trends, pokémon stats and players' preference

OPERATION

Type
 ○ Flying
 ○ Dragon
 ○ Normal
 ⋮

Select option
 ↓

to let user choose

Dropdown menu

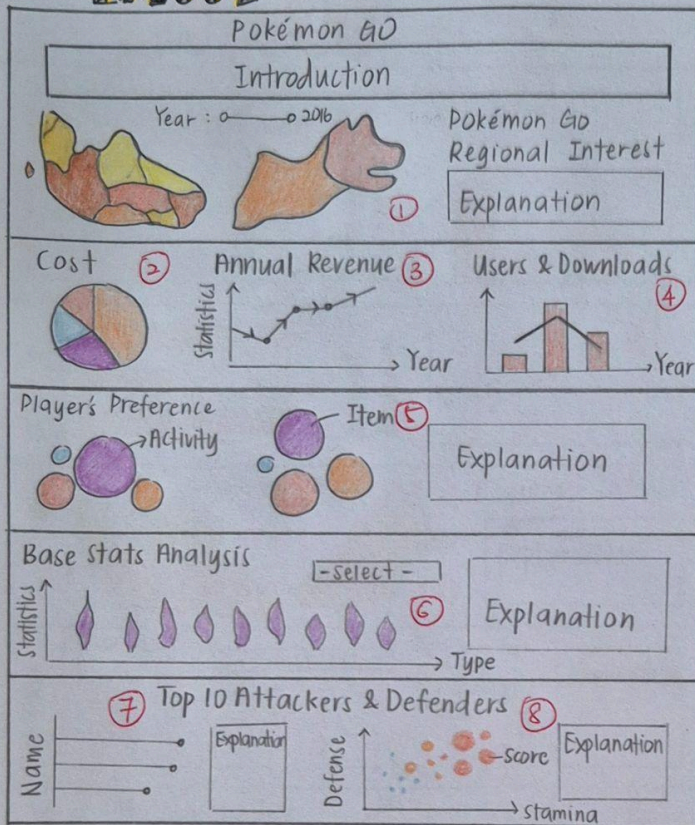
Tooltip:

- * need relevant values (e.g. DPS) depending on chart.
- * hover mouse over data point (line, bar, ...)

DISCUSSION

- ✓ Radial plot effectively shows difference in size, larger values represented with larger areas
- ✓ Uses a variety of charts which makes it interesting
- X Dot plot map requires precise point location which my data is lacking.
- X Year will make side by side bar chart look cluttered.
- ? Can the charts be replaced with more suitable charts
- ? Are viewers able to understand without explanation

LAYOUT



FOODS

1. To show regional interest in Pokémon GO across Malaysia over the years
 2. To show cost breakdown across different development component.
 3. To show the relationship between revenue and years.
 4. To compare users and downloads over the years
 5. To show players' preference across different categories.
 6. To show distribution of all Pokémon base stats across different types.
 7. To visualise top 10 attackers ranked by score across different tiers.
 8. To visualise how score vary with defense and stamina.
- (* All graphs are equally important, no main focus)

Title: Pokémon GO

Author: Cornelia Lee Wen Rong

Date: 5/10/2025

Sheet: 4

Task: Analysis of Pokémon GO's users, revenue, regional trends, pokémon stats and player's preference.

OPERATION

Year: 0 — 2024

(let users change / drag year)

- select stats -
base attack
base defense
;

→ dropdown menu to let user choose

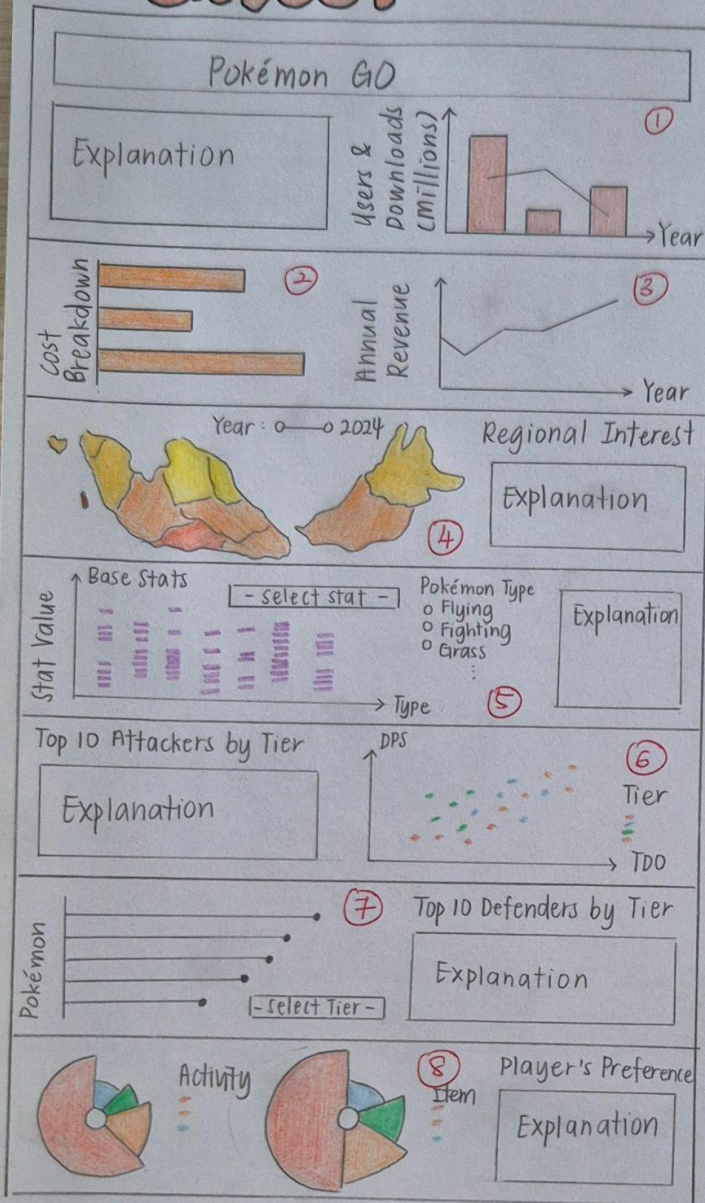
Tooltip:

- * need relevant values (e.g. DPS) depending on chart
- * hover mouse over the data point (e.g. line, point, ...)

DISCUSSION

- ✓ Choropleth map effectively shows regional pattern
- ✓ Line + Bar allow easy comparison between different category
- ✓ Interaction is easy for viewers
- X Requires skill in interpreting violin plot
- X Proportional symbol may be hard to compare
- X Revenue hardly related to increasing years
- ? Can the Tayout be improved
- ? Is too much information being displayed
- ? Is sufficient information displayed to view trends

LAYOUT



DETAILS

- * Dataset to be used in this visualisation is in csv and json format.
- * Time to build implementation : 1 week
- * Specific requirements:
 - larger visualisation for better clarity?
 - data cleaning before implementing?

Title : Pokémon Go
 Author : Cornelia Lee Wen Rong
 Date : 5/10/2025
 Sheet : 5
 Task : Final Implementation Design

OPERATION

Year : 0 — 2024
 ↳ let users change / drag year)

- select stat -
 - Base Attack -
 - Base Defense -

- Select Tier -
 A
 B "click"

↳ Dropdown menu to let user choose

Pokémon Type

- o Flying
 - o Fighting
 - o Grass
 - :
- ← Select option to let user choose

Tooltip :

- * need relevant values (e.g. DPS) depending on chart
- * hover mouse over data point

FOCUS

1. To compare users and downloads over the years
2. To show the cost breakdown for each development component
3. To show Pokémon GO revenue trends across the years
4. To show regional interest in Pokémon GO over the years
5. To show distribution of all Pokémon base stats across different types
6. To show the relationship between DPS and TDO
7. To visualise top 10 defender
8. To show players' preference across different categories.