

Grow With EDM

Data Visualization

Concepts, Tools & Application



Enterprise
Data
Management
Laboratory

Hii Everyone...



Vilson



+62 82288076094 / vilsonn_ (Line ID)



vilsonnn@aiesec.net



IG: @vilsonn_ | www.linkedin.com/in/vilsonnn

GWE #5

Data Visualization = Business intelligence ???

Sistem atau teknologi yang digunakan untuk mengumpulkan data dari berbagai sumber, diolah dan ditampilkan dalam bentuk informasi yang mudah dipahami.

Data Visualization → Exploratory Data Analysis → Data Dashboard
Fokusnya

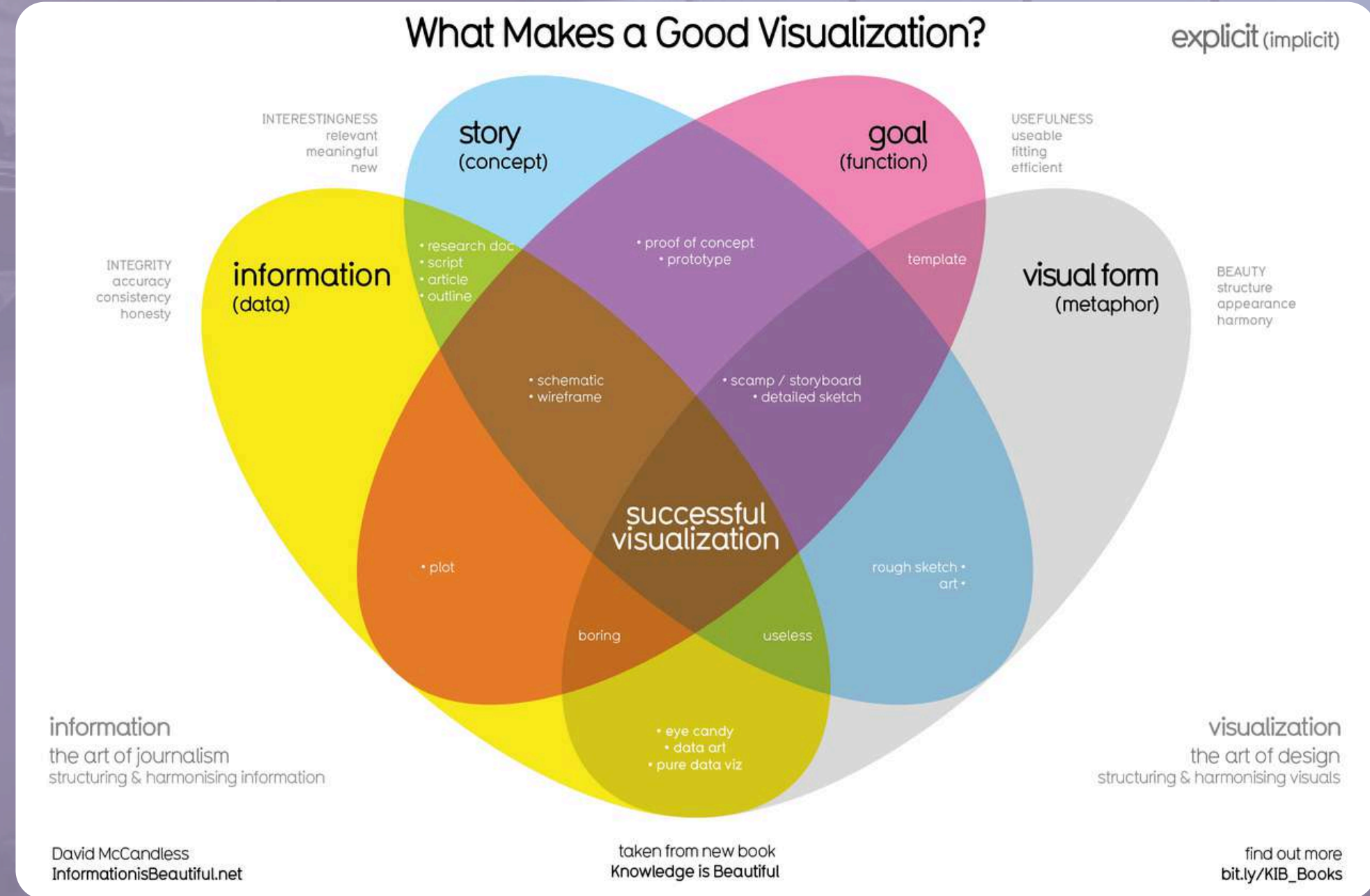
Business intelligence menggabungkan analitik bisnis, penambangan data, visualisasi data, alat dan infrastruktur data, serta praktik terbaik untuk membantu organisasi membuat keputusan yang lebih berbasis data.

Tujuannya apa sih?

**Memahami banyak data
sekaligus dalam waktu singkat**

**Membantu memori mengingat
dan memahami sebuah data**

**Melihat perbedaan data
dengan mudah**



Tipe-Tipe Visualisasi

Favourite Colour

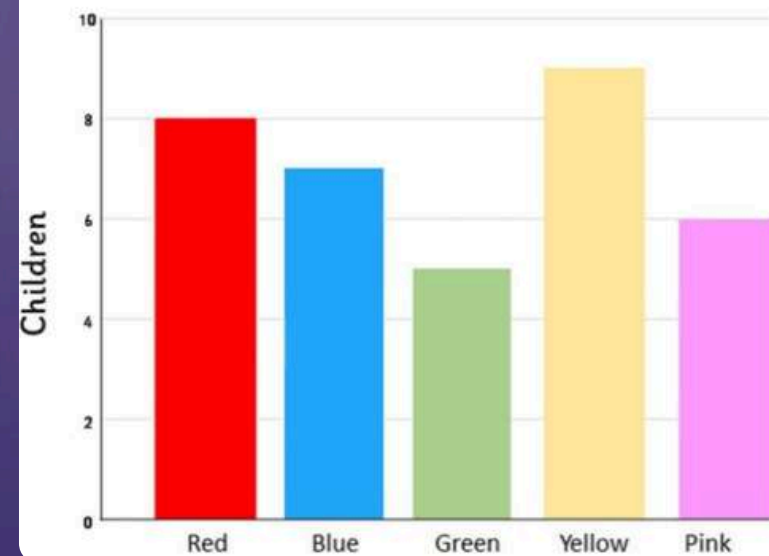


Diagram Batang (Bar Chart)

Produce sales
IN THOUSANDS (USD)

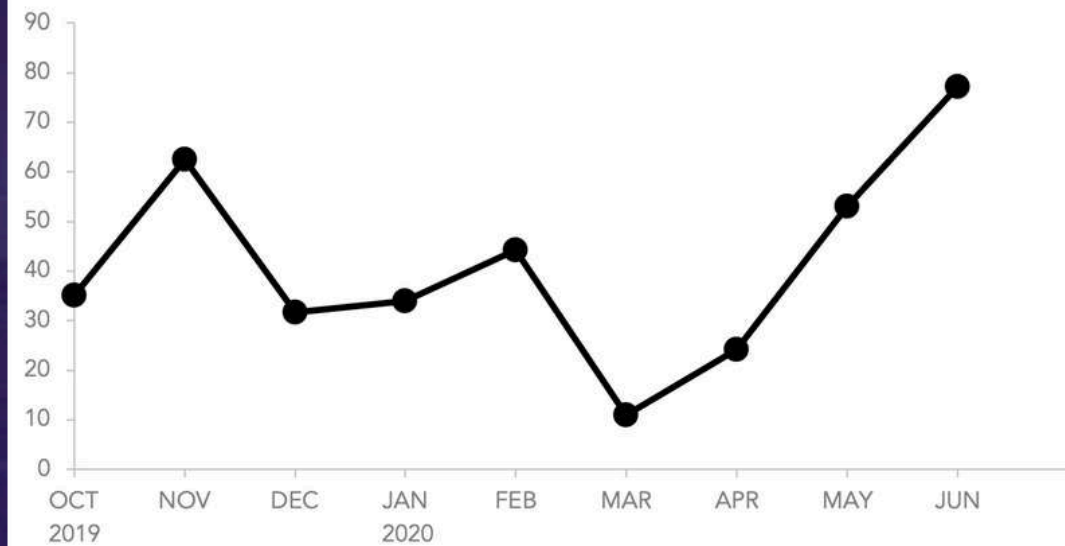


Diagram Garis (Line Chart)

Number of Students

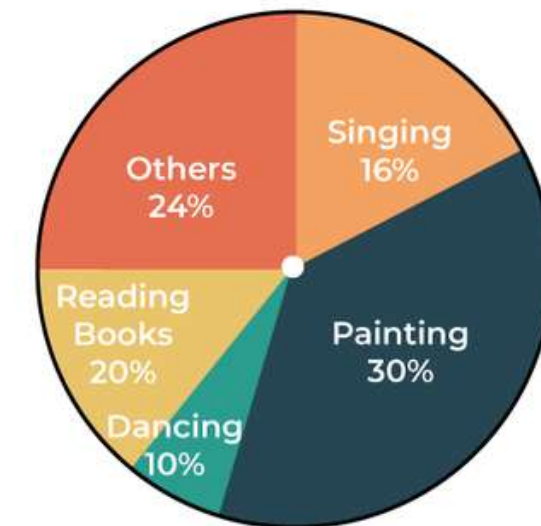
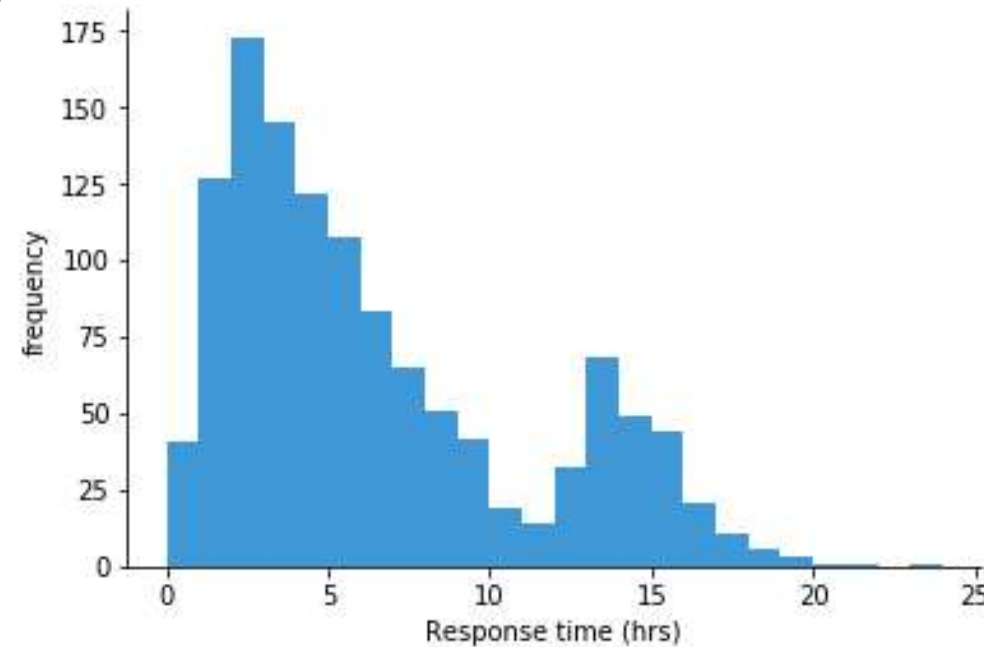


Diagram Lingkaran (Pie Chart)



Histogram

Test Score vs. Hours

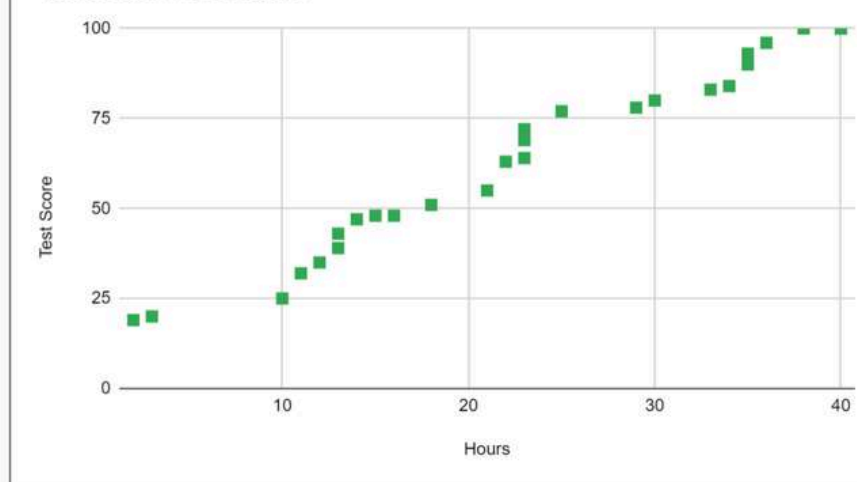


Diagram Sebar (Scatter Plot)

US music sales by format (inflation-adjusted)
IN BILLIONS (USD)

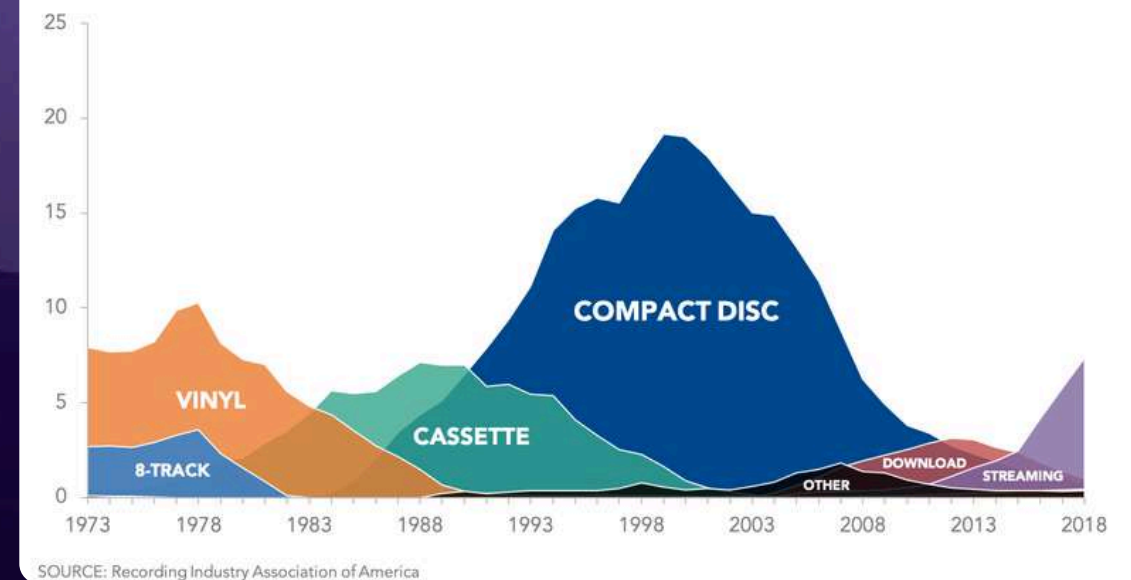
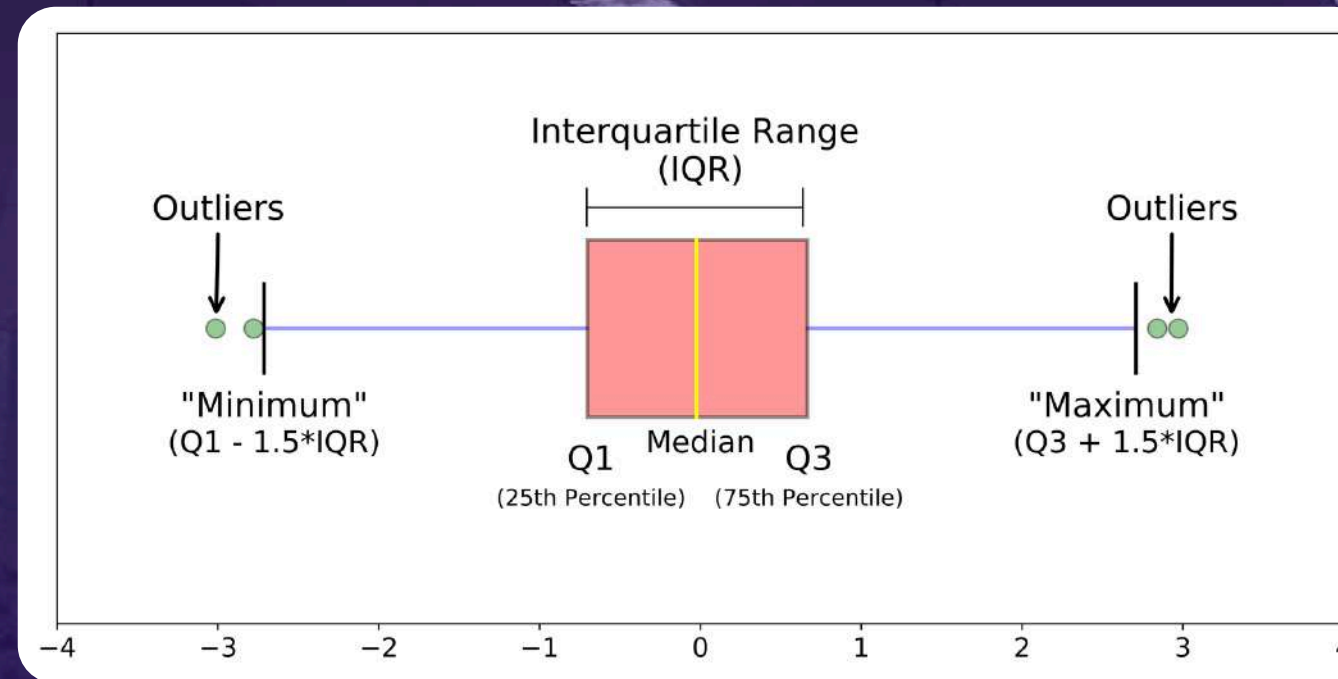


Diagram Area (Area Chart)

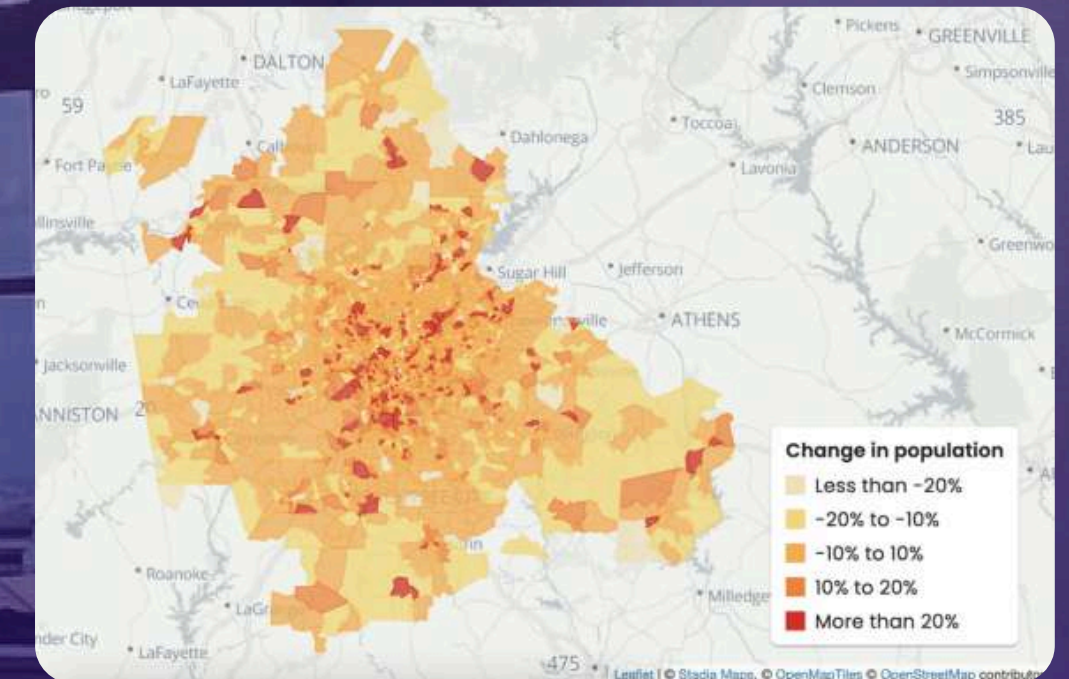
Tipe-Tipe Visualisasi



Heatmap



Box Plot



Maps (Geospasial)



Word Cloud

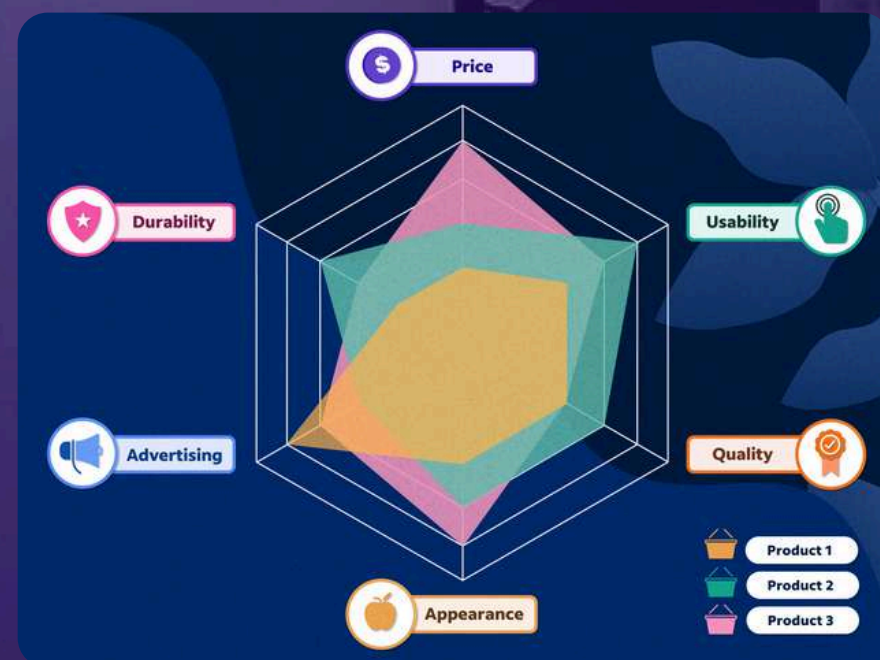


Bubble Chart

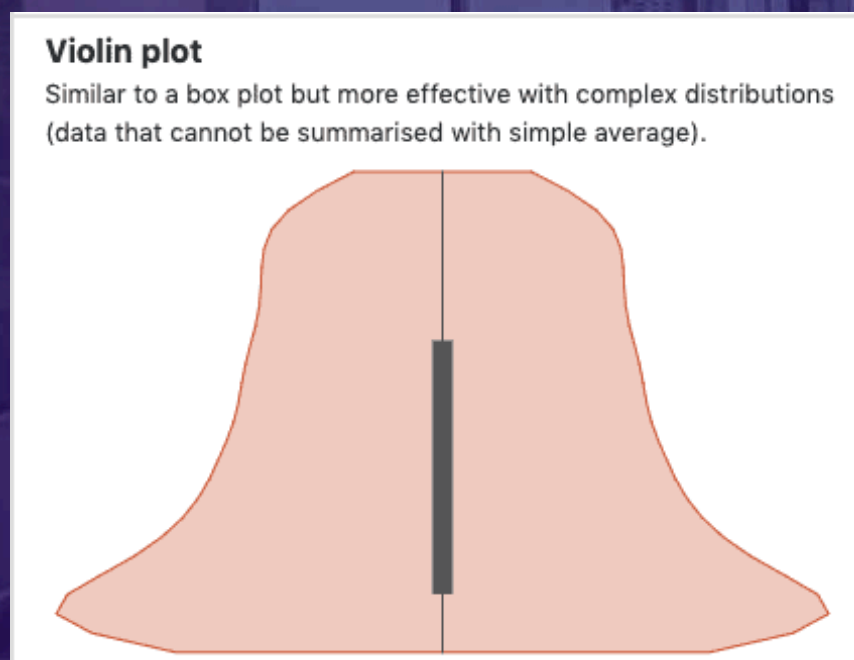


Tree Map

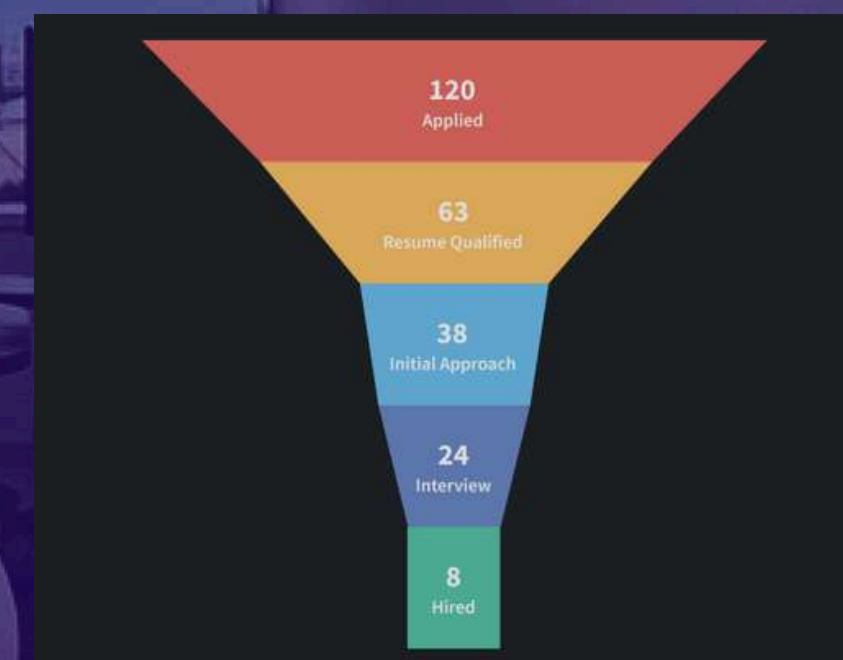
Tipe-Tipe Visualisasi



Radar Chart



Violin Plot

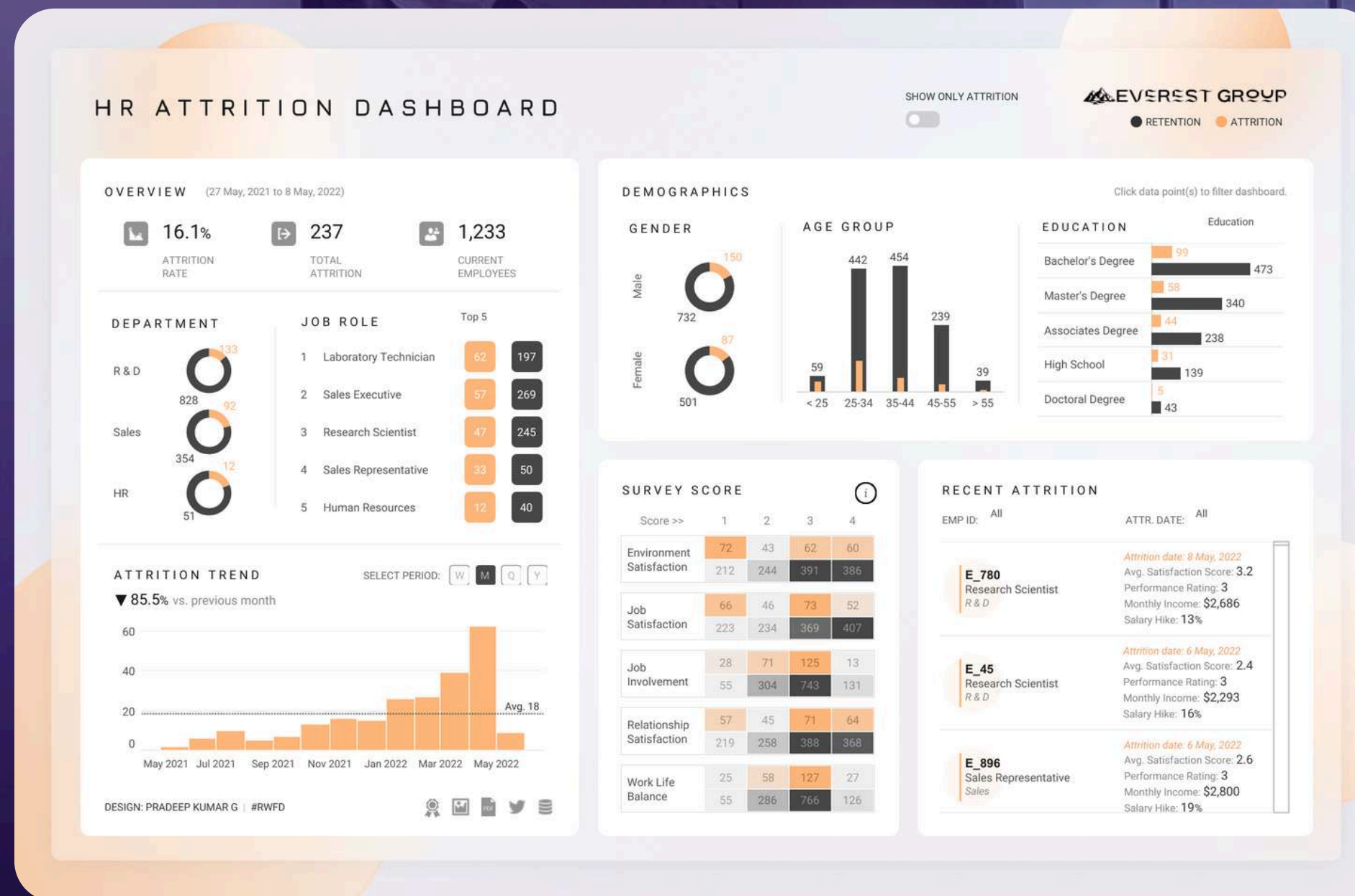


Maps (Geospasial)

Tools Data Dashboard



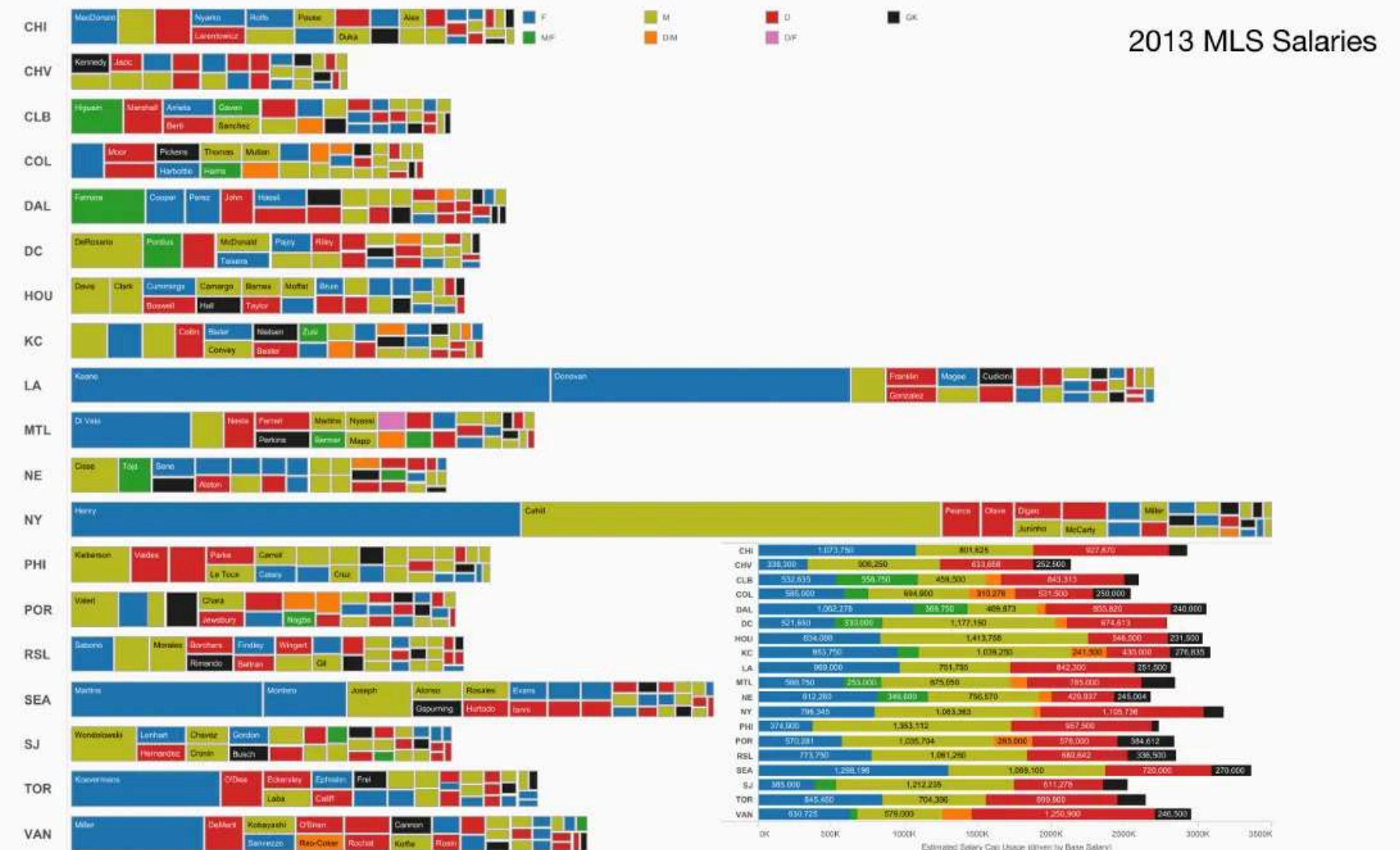
Make sure dashboardnya:



Useful

Make sure dashboardnya:

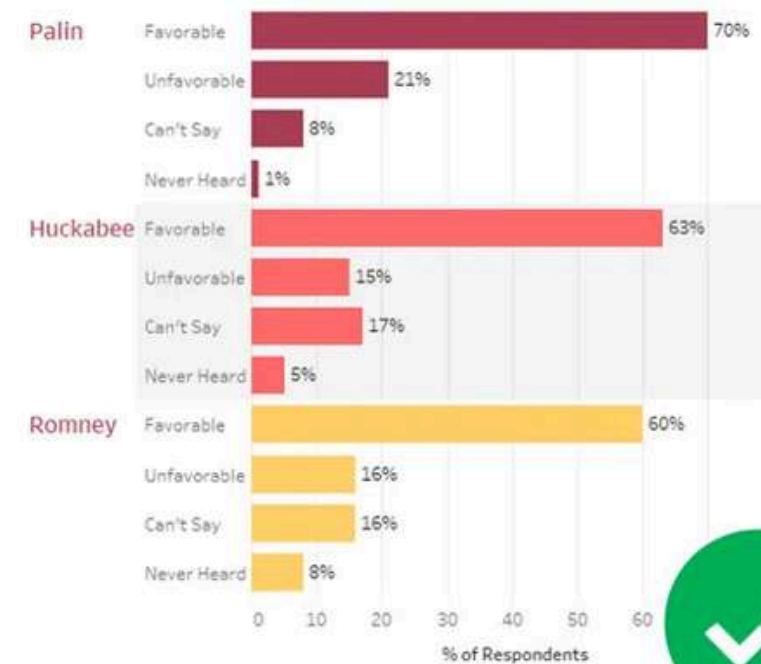
Readable



Make sure dashboardnya:

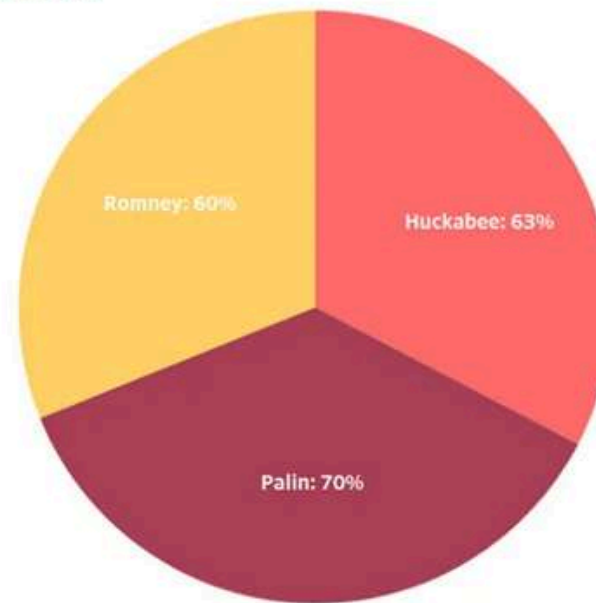
Bar chart

% Republicans by Opinion of Candidate
respondents were asked for their opinion of each candidate



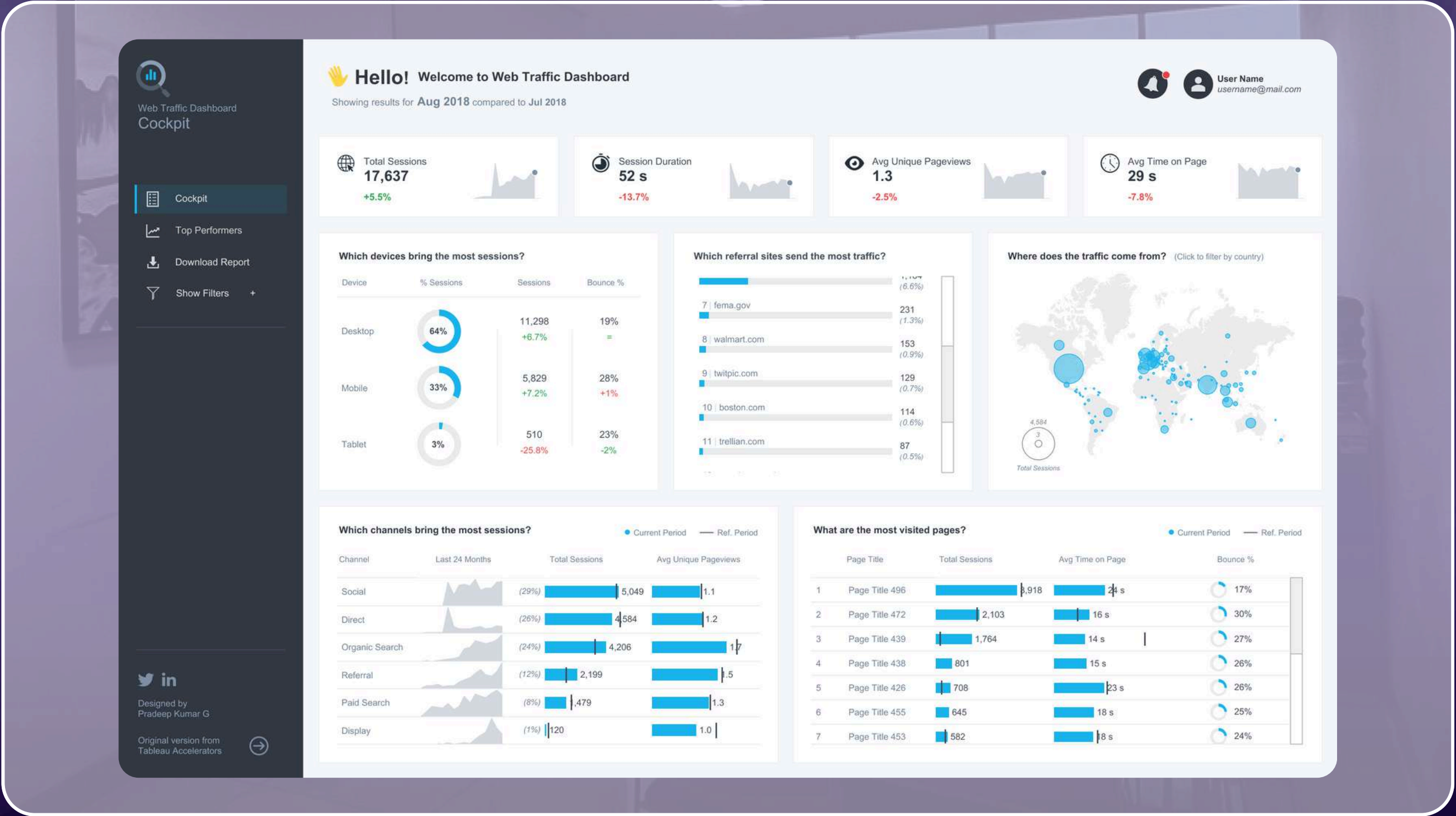
Pie chart

% of Respondents with a Favorable Opinion of Each Candidate



VS

Not Bias







Let's try

Q & A

Quiz



Enterprise
Data
Management
Laboratory

BARCODE

ABSENSI

EDM Laboratory

GWE #5

Presensi GWE #5

<https://tel-u.ac.id/presensigwe>



GWE #5

Thank You

GWE #5



@lifeatedmlab



@186mcgwc