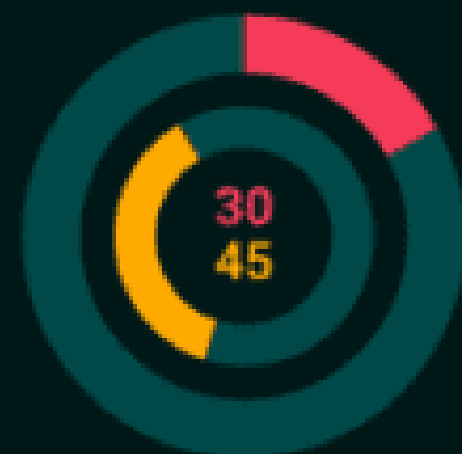
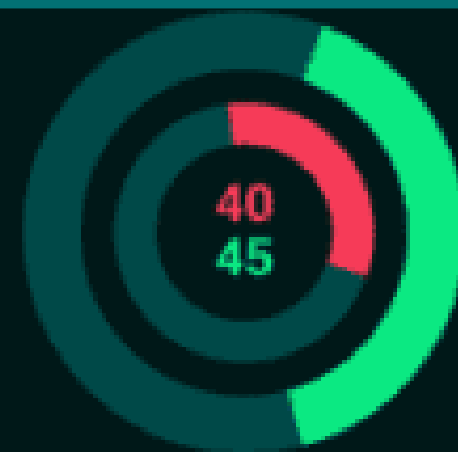


DATA VISUALIZATION



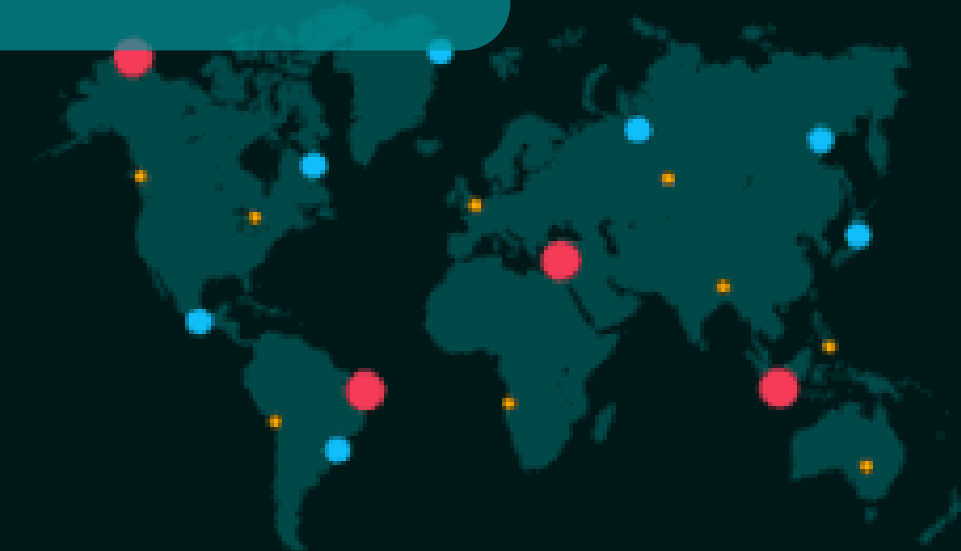
30 70
45 55

Lorem ipsum dolor sit amet,
consectetur adipiscing elit.
Integer ante elit.

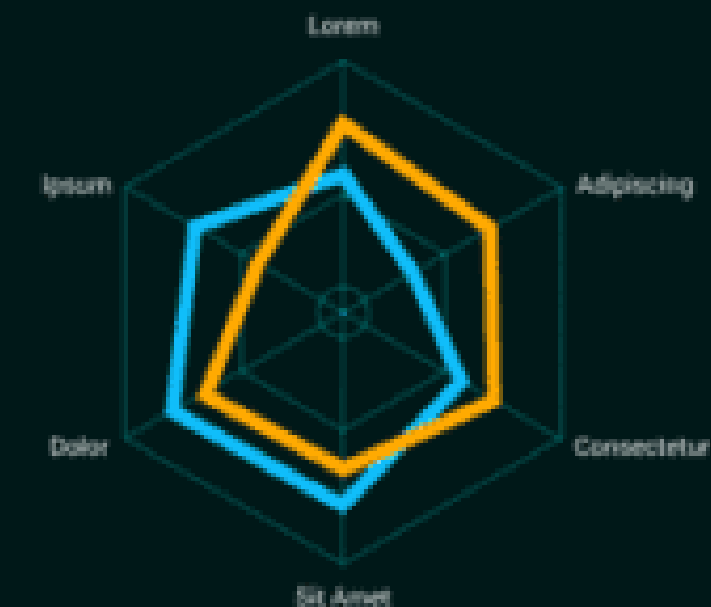
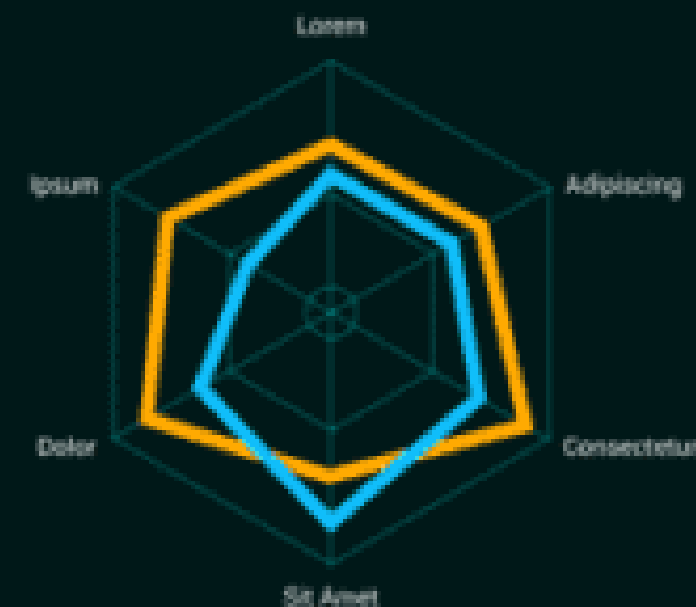
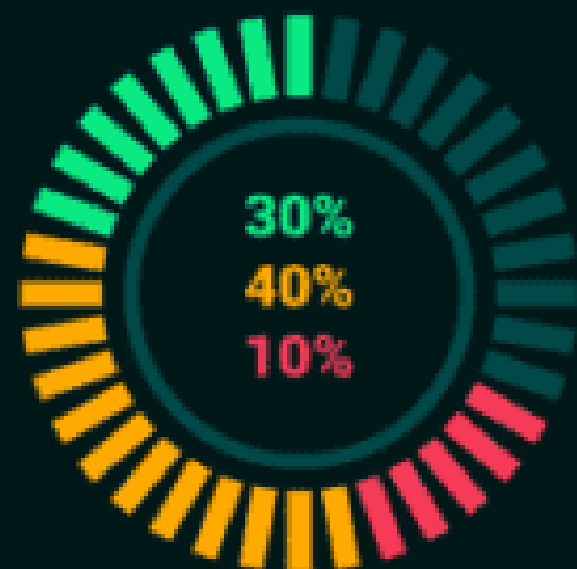


40 60
45 55

Lorem ipsum dolor sit amet,
consectetur adipiscing elit.
Integer ante elit.



Single Downloaded
Subscriber
Package Downloaded

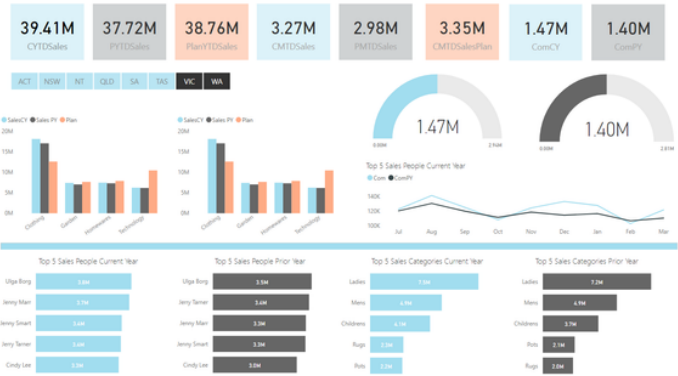
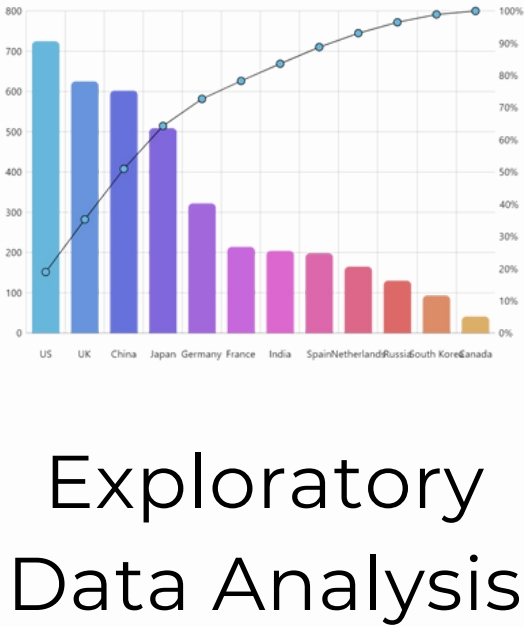


60%
LOREM IPSUM
75%
LOREM IPSUM
45%
LOREM IPSUM
60%
LOREM IPSUM

How to increase
our customer
engagement?

Web scraping
Database

Duplicated values,
Structural errors,
Outliers,
Missing data,
Sort and organize data,
irrelevant data,
Validate data,
Transform data

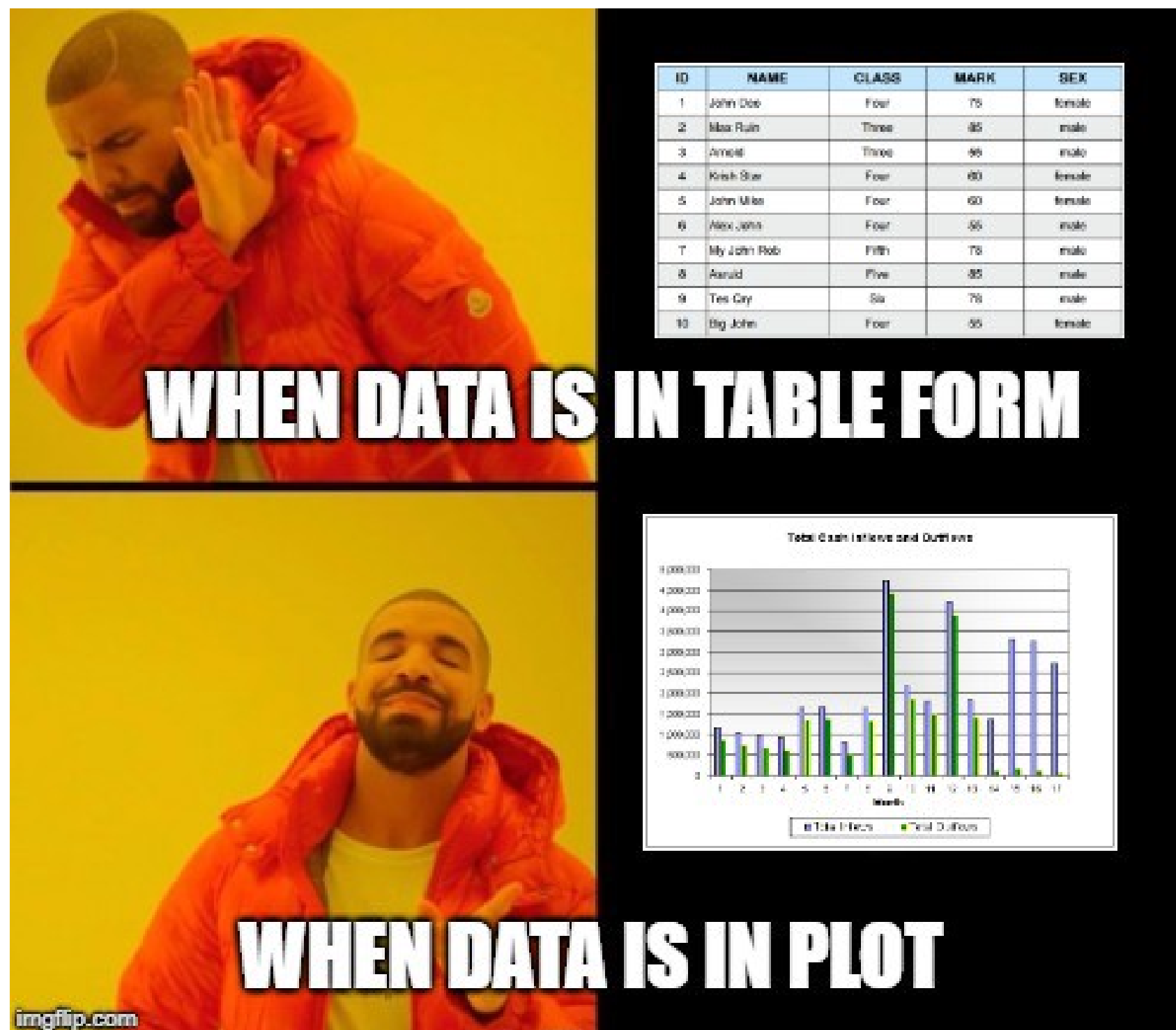


Python,
Oracle,
MySQL,
SQLServer,...

Pandas

Pandas
Matplotlib
Seaborn

PowerBI,
Tableau,
Google Data
Studio

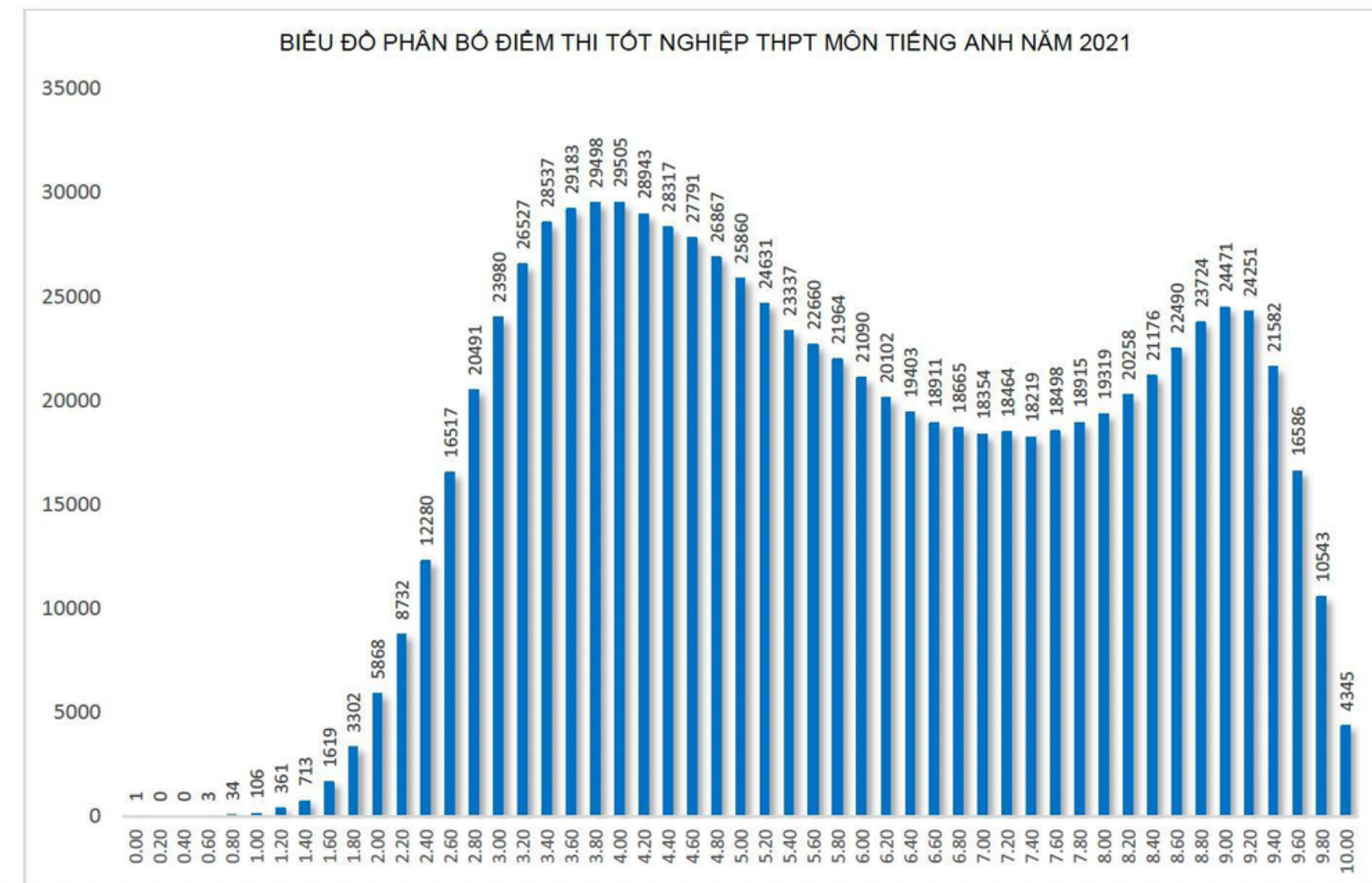
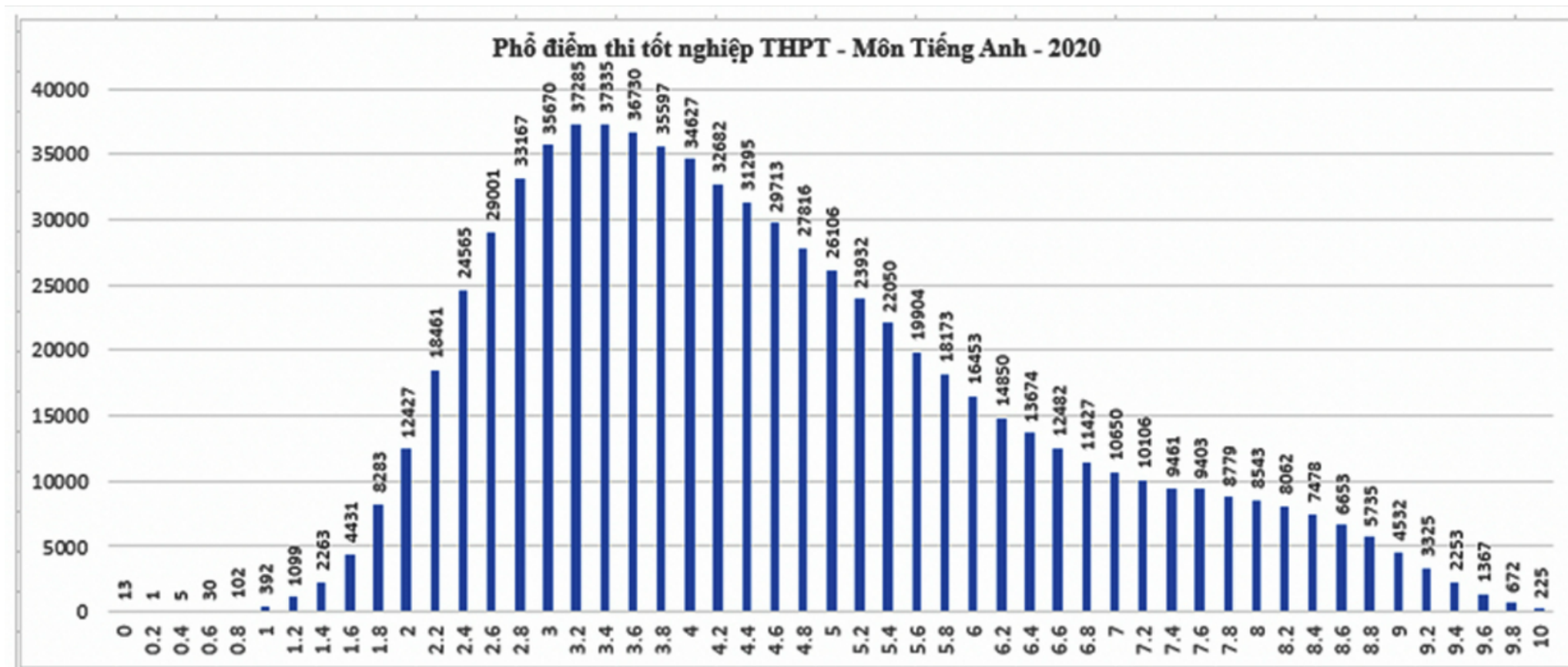


WHY?

WHAT?

HOW?

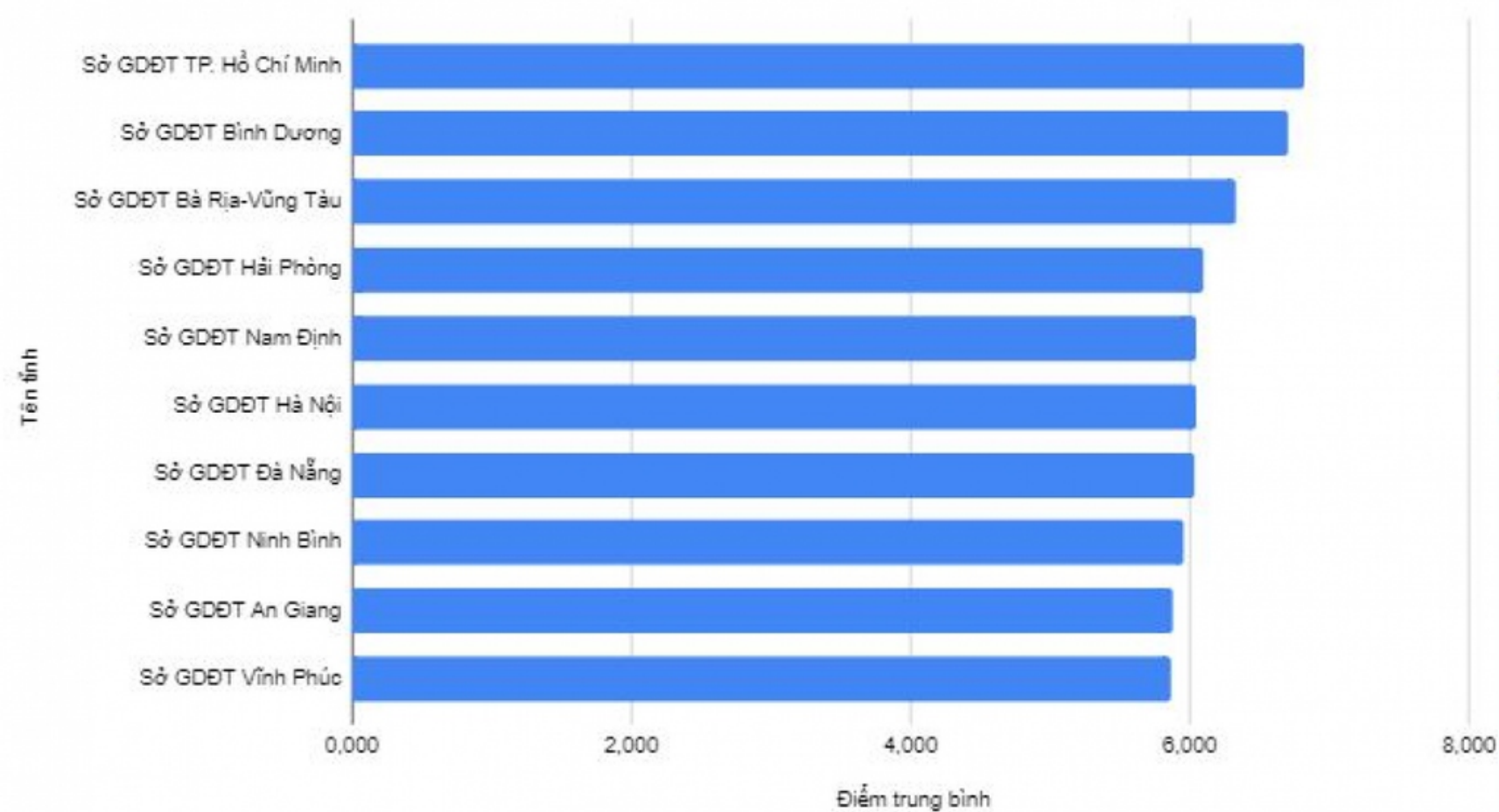
WHY?



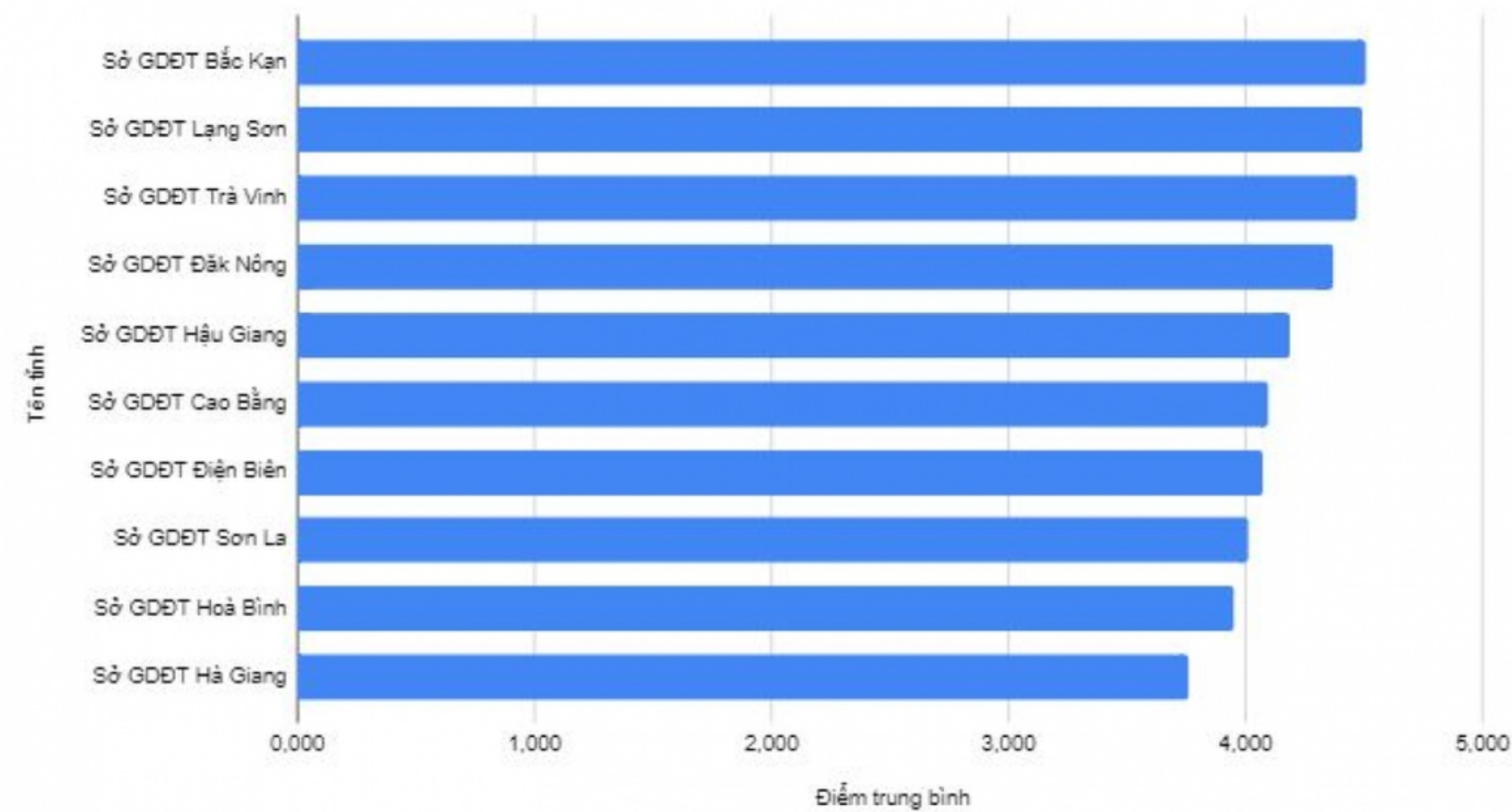
What do you think?

Source: <https://thanhnien.vn/pho-diem-la-nhat-mon-tieng-anh-noi-len-dieu-gi-post1093873.html>

Top 10 tỉnh thành có điểm trung bình môn Tiếng Anh cao nhất



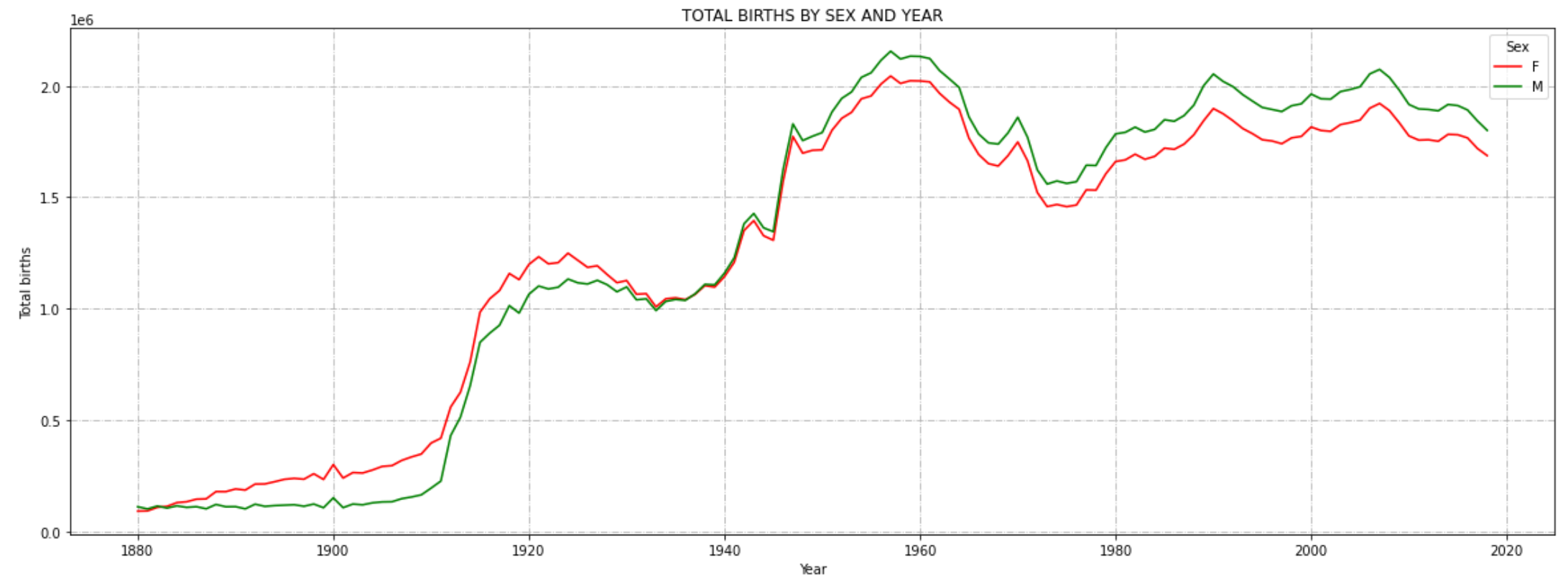
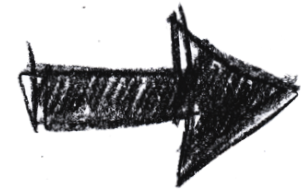
Top 10 tỉnh thành có điểm trung bình môn Tiếng Anh thấp nhất



WHY?

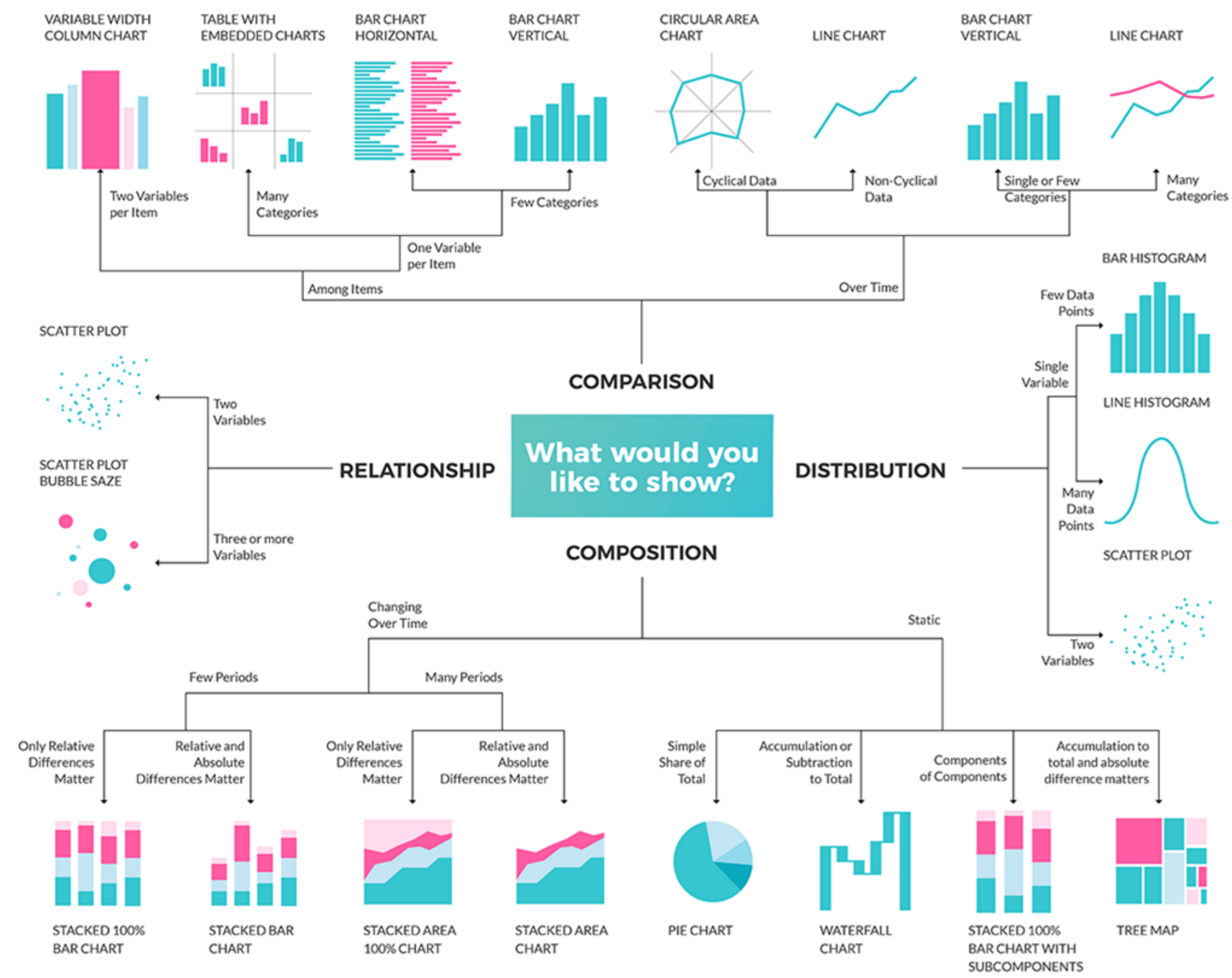
```
df_names.head(5)
```

	Name	Sex	Number	Year
0	Mary	F	7065	1880
1	Anna	F	2604	1880
2	Emma	F	2003	1880
3	Elizabeth	F	1939	1880
4	Minnie	F	1746	1880



Humans are not good at reading numbers

WHAT?



HOW?

matplotlib



VISUALIZE

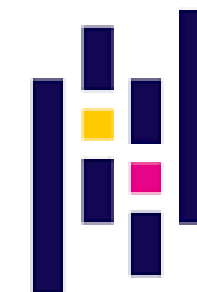


QUESTION

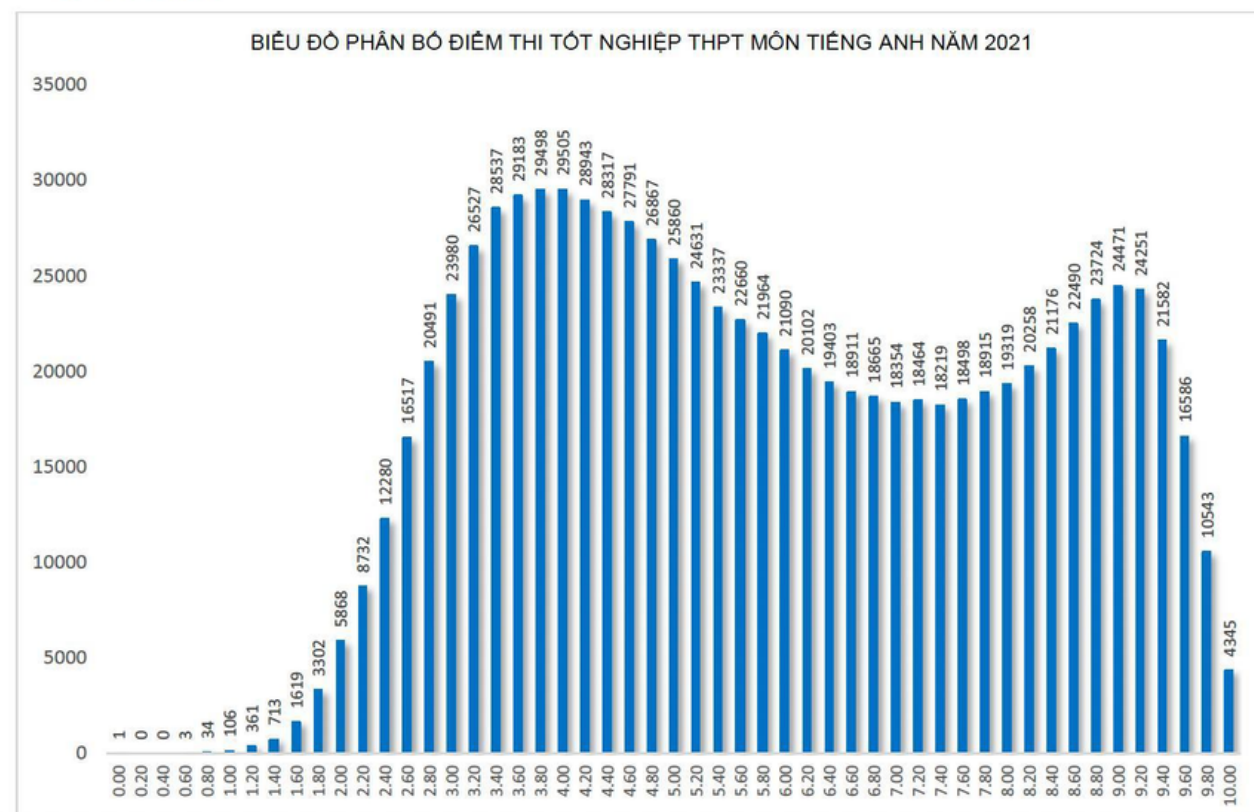


How is the score spectrum of English subject in high school graduation exam?

ANALYSE



pandas



HOW?

matplotlib



VISUALIZE

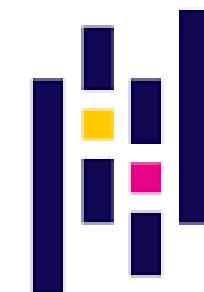


QUESTION

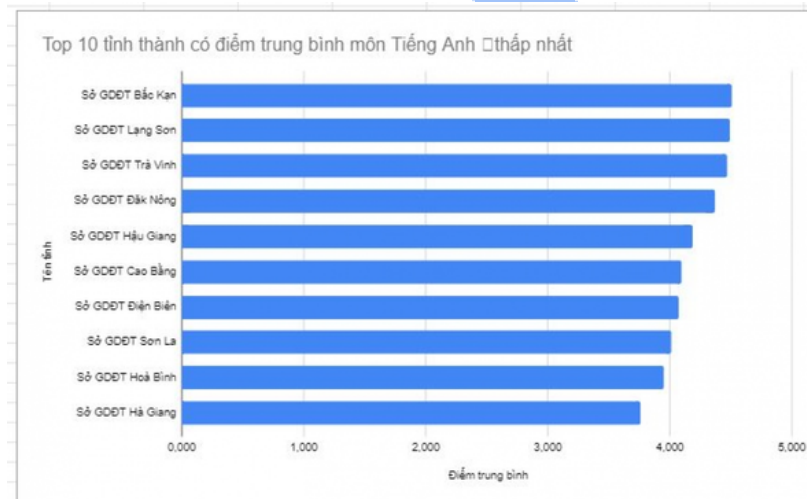
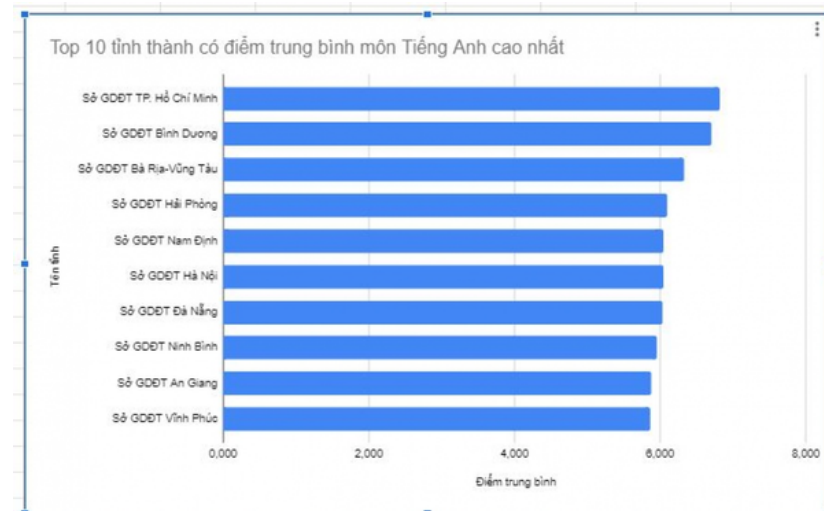


Is there any English-level difference between urban and rural areas?

ANALYSE



pandas



HOW?

