Data Visualization Self Exploration!

Here begins my journey on data analytics and visualization in Kabinet KM ITB

About Me

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Data Source

Internet users data,
Internet speed data,
& Gross national income data

Data Visualization

Matplotlib
(Python library)

Data Analysis

Python

Source Code

It's all on my Github page

01

Data Source

Data Source

Internet Users

https://www.internetworldstats.com/

Internet Speed

https://www.speedtest.net/global-index

GNI

https://en.m.wikipedia.org/wiki/List_of_countries_by_GNI_(nominal)_per_capita

02

Data Analysis

Data Analysis

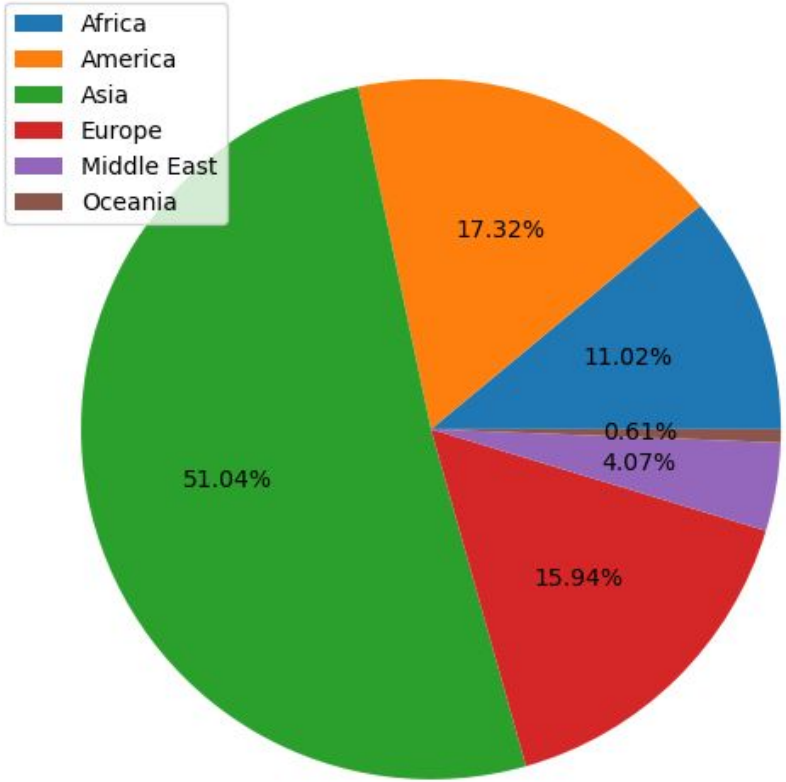
A few steps to get insight of your data

- Set up Python environment in your computer
- Install a few Python libraries needed (bs4, requests, pandas, matplotlib)
- Do data scraping and store your data in a json/excel format
- Get insight of your data by doing statistical operations(?)

03

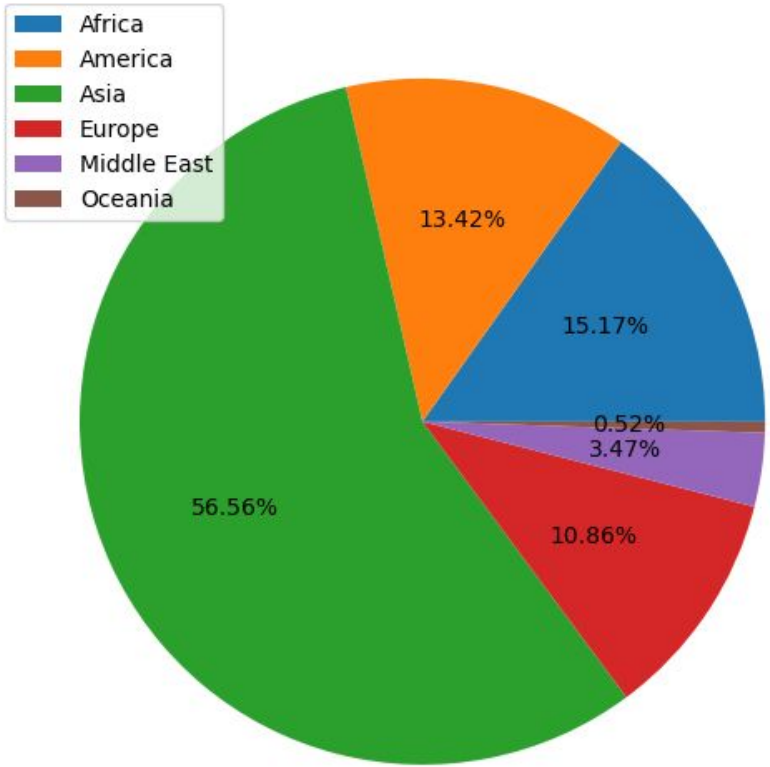
Data Visualization

World's internet users percentage



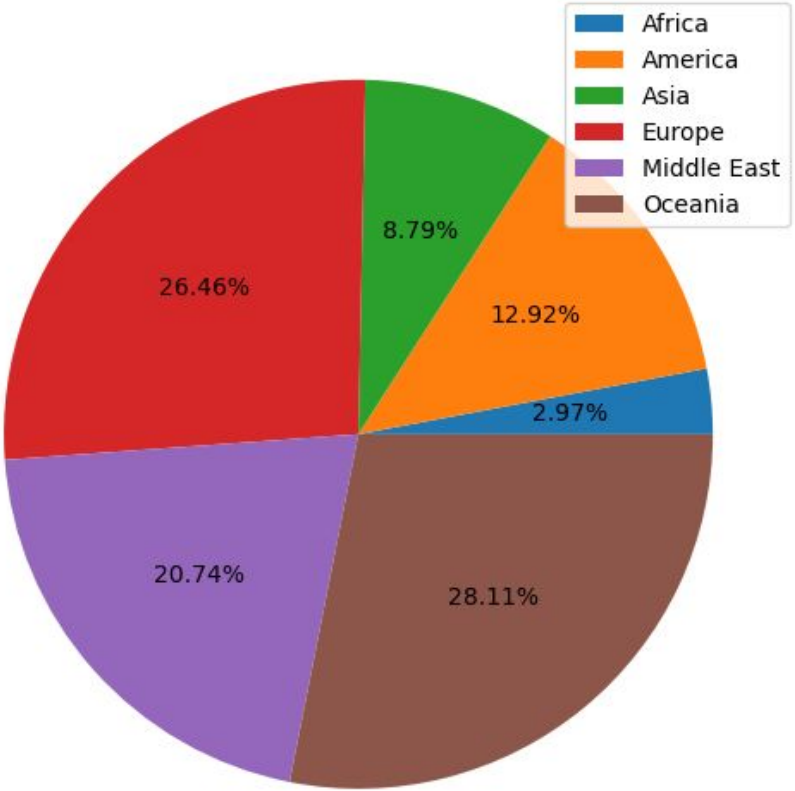
	Standard Deviation
Africa	2.205947e+07
America	5.965042e+07
Asia	1.804333e+08
Europe	2.609839e+07
Middle East	1.767973e+07
Oceania	1.003459e+07

World's Population percentage



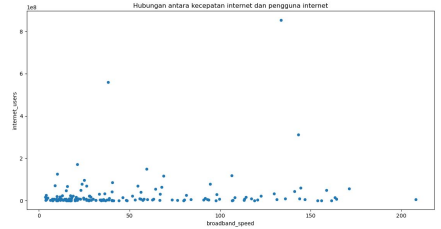
	Standard Deviation
Africa	3.874403e+07
America	6.778379e+07
Asia	3.511945e+08
Europe	3.004090e+07
Middle East	2.256618e+07
Oceania	1.063263e+07

World's GNI Percentage

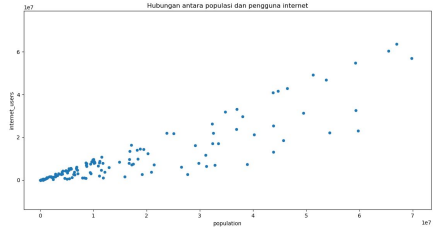


	Standard Deviation
Africa	3.523167e+03
America	1.308612e+04
Asia	1.349253e+04
Europe	1.847819e+04
Middle East	1.959057e+04
Oceania	2.618672e+04

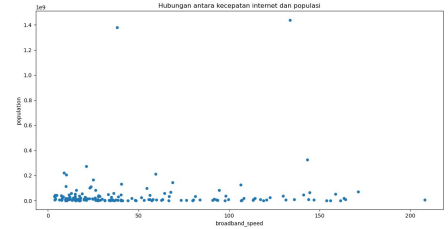
Scatter Plot(s)



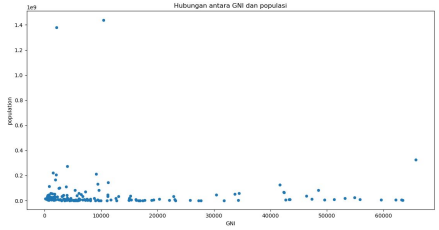
Correlation of internet speed and internet users



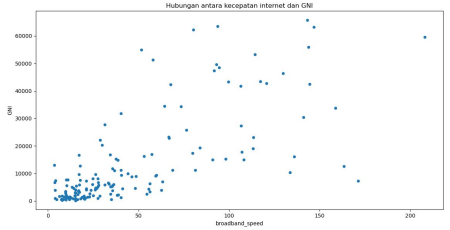
Correlation of population and internet users



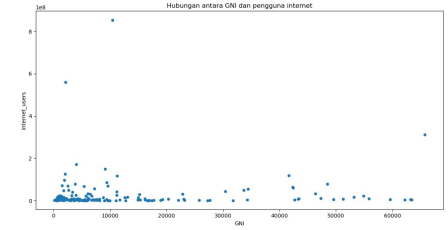
Correlation of internet speed and population



Correlation of GNI and population

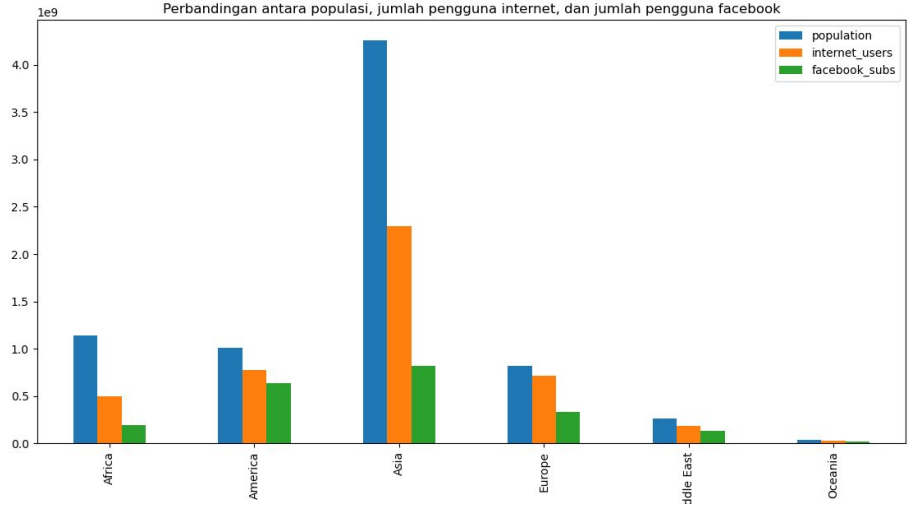


Correlation of internet speed and GNI

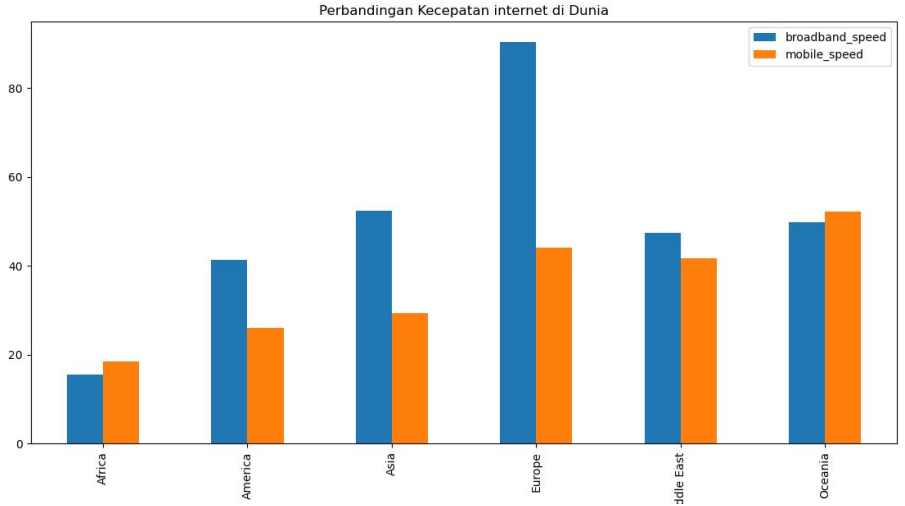


Correlation of GNI and internet users

Bar Chart(s)



Comparison of population, internet users, and facebook users



Comparison of worlds' broadband internet speed and mobile internet speed

04

Source Code

https://github.com/indrafnugroho/Data-Visualization-Exploration

THANKS!

Do you have any questions?

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