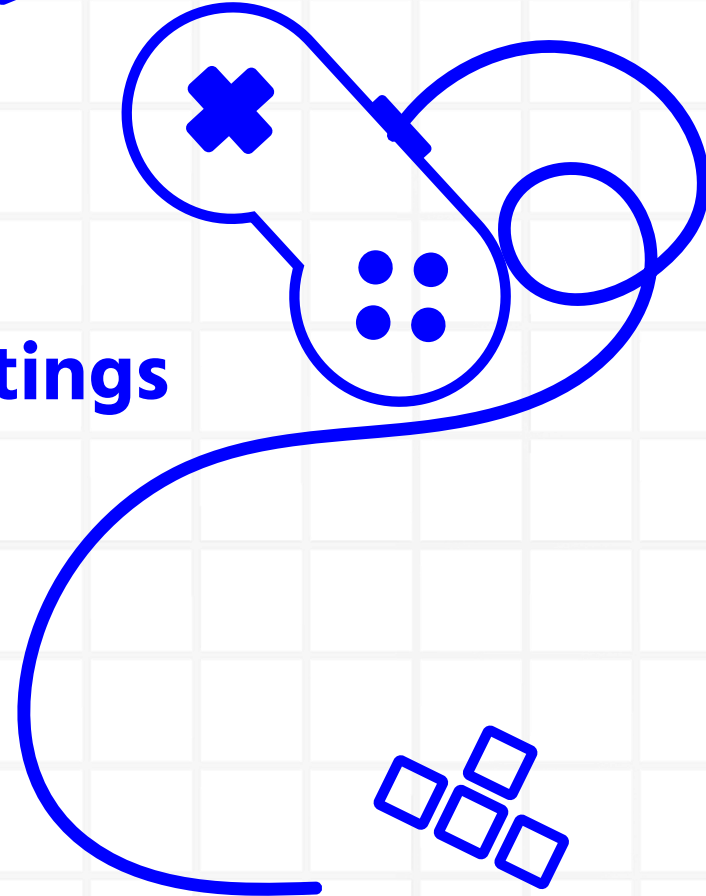
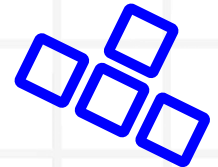
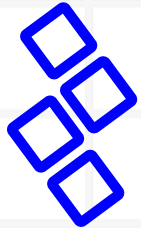
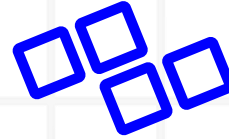
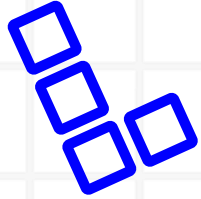


Video Game Sales with Ratings proposal

T5 – EDA project | Elham alzahrani



Introduction:



The global video game market size was valued at USD 151.06 billion in 2019 and is expected to grow at a Compound Annual Growth Rate (CAGR) of 12.9% from 2020 to 2027. Technological proliferation and innovation in both hardware and software are expected to be the key factors driving the growth.

Dataset analysis :

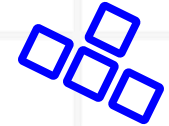
This dataset describe a list of video games with sales greater than 100,000 copies. It was generated by a scrape of vgchartz.com. It contains 16 columns (fetcher) and 16720 rows. The data extracted from Kaggle web site and if you want to know more click [here](#).

Main object :

Reach a good study with percentage of video games market, witch describe sales impacts to the economy, Percentage of gamers in the world, developers and publishers orientation.

Tools:

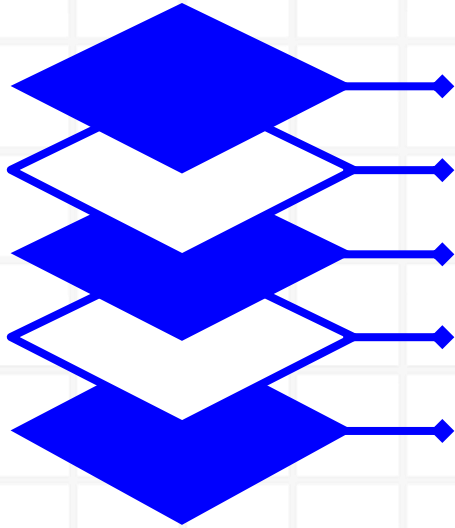
Jupyter, Python: Matplotlib - NumPy - Pandas, power point .



Fetcher's description:

- Name** | video game name.
- Platform** | Platform of the games release (i.e. PC,PS4, etc.)
- Year of Release** | Year of the game's release.
- Genre** | Type Genre of the game.
- Publisher** | Publisher of the game.
- NA_Sales** | Sales in North America (in millions)
- EU_Sales** | Sales in Europe (in millions)
- JP_Sales** | Sales in Japan (in millions)
- Other_Sales** | Sales in the rest of the world (in millions)
- Global_Sales** | Total worldwide sales.
- Critic_score** | Aggregate score compiled by Metacritic staff.
- Critic_count** | The number of critics used in coming up with the Criticscore.
- User_score** | Score by Metacritic's subscribers.
- User_count** | Number of users who gave the userscore.
- Developer** | Party responsible for creating the game.
- Rating** | The Entertainment Software Rating Board (ESRB) ratings.

Questions to cover:



Are the ratings affect the sales?

What is the most widely Genre on each platform?

What is the Top five bestseller gems?

Which country has largest sales over the world?

Who is the top selling publisher?