

# Data Visualisation



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Link to Video: <https://youtu.be/RzdcddafzVs>

# Domain of Data

Link to Dataset: <https://www.kaggle.com/gregorut/videogamesales/data>

This dataset contains a catalogue of video games published between the year 1980 and 2020 with sales greater than 100,000 copies.

Data set size: Contains 16,598 records in total.

Attributes:

- Name: Name of the video game.
- Platform: Platform of the games release (i.e. PC,PS4, etc.).
- Year: Year of the game's release.
- Genre: Genre of the game.
- Publisher: Publisher of the game.
- Global\_Sales: Total worldwide sales.

# Importance

Video game industry is a rapidly growing industry especially with the increasing popularity of esports.

People generally look out for various trends like popular games by a publisher, games with highest sales of a particular genre, etc before buying the next one.

Also publishers before planning of a new game analyse these trends. This serves as a heuristic that it'll serve well in the community.

Providing an easy to understand representation of this is much needed in this industry.

# Purpose of Visualisation

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1

The visualisation would help find popular genres based on sales figures

2

The visualisation would make it easier to find popular games in a genre.

3

The visualisation would make it easier to find popular games of a platform.

4

The visualisation would make it easier to find the popular platform of a year.

# Visualisation ONE

- Visualises dataset filtered by year.
- Slider to change year.
- Each video game title in the dataset is represented as a circle.
- Circles are grouped based on the genre/platform.
- The color of the circle determines the genre of the game.
- The area of the circle corresponds to the total amount of global sales it has made.

# Visualisation TWO

- Visualises dataset filtered by year.
- Slider to change year.
- Histogram visualisation of the dataset.
- X axis is different platforms.
- Each video game title is represented as a disk. X coordinate is determined by the platform and Y coordinate is represented by total sales made.
- The color of the circle determines the genre of the game.

# Concluding Remarks

The scatter plot with grouping by different colours based on genre, platform helps to analyse the data in one shot.

Also the code is written in a generalized manner so this can be extended to different datasets of the same type like Music, Movies, etc.

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**THANK YOU**