

DATA PROJECT



#47



VIDEO GAME
SALES



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DATA

WHAT

data

&

WHERE

to get it



DATA SOURCE

Detailed sales data for
video games

- name and gaming platform of the game
- year of release
- genre of the game
- publisher of the game
- sales for North America, Europe, Japan and globally



DATA SOURCE

You can find & download
the dataset on Kaggle

Global Video Game Sales

Data Card Code (12) Discussion (1)

#	Rank	Name	Platform	Year	Genre	Count
1	1	Wii Sports	Wii	2006	Sports	16.6k
2	2	Super Mario Bros.	NES	1985	Platform	
3	3	Mario Kart Wii	Wii	2008	Racing	
4	4	Wii Sports Resort	Wii	2009	Sports	
5	5	Pokemon Red/Pokemon Blue	GB	1996	Role-Playing	
6	6	Tetris	GB	1989	Puzzle	
7	7	New Super Mario Bros.	DS	2006	Platform	



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LINK IN NOTION



DATA TRACKS

SELECT ONE or COMBINE



I - Data Engineering

II - Data Analytics

III - Data Science



TRACK I DATA ENGINEERING

Web Scraping

- The data on kaggle was scraped initially from www.vgchartz.com
- Get the latest data by scraping the website



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TUTORIALS IN NOTION



TRACK I DATA ENGINEERING



**Sales data of recent games
is very likely to change**

**Create a database and
implement an update logic,
which updates records with
new sales data**



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TRACK II

DATA ANALYTICS

Video Game Analysis

- Global and regional sales by genre
- Global and regional sales by publisher and platform
- Are there major differences between the NA, EU and Japan market?



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TRACK II

DATA ANALYTICS



Analyze the genre &
platform popularity over
the years

Did preferences change
over time?

Can you identify new
gaming platform releases?



TRACK III

DATA SCIENCE

Game Name Analysis

- Take the names of the games and preprocess them for use
- Create a wordcloud for the top 100 games (by sales)
- Do you recognize any patterns here?



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TRACK III

DATA SCIENCE



Try to predict the genre of
the game by using the
name of the game

Start with a rule-based
approach and continue
with a classification model



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LEARNINGS



why YOU



should do



this project



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LEARNINGS

Track I - Data Engineering
Web Scraping, Database Updates

Track II - Data Analytics

**Descriptive Analytics, Time Series
Analytics**



Track III - Data Science

**Text Processing, Word Clouds, Text
Classification**



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**WHAT WOULD
YOU DO WITH
THIS DATA?**

**SEE YOU IN
THE COMMENTS**



 **BONUS** 



FREE Data



Notion Space



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DATA NOTION SPACE

Fabian Werkmeister

I help you to become fluent in Data and enable you to translate between business & tech ★ Data Scientist @FUNKE ★  Python
 Data Science  Data Engineering

Talks about #data, #python, #mindset, #datascience, and #productivity

Hamburg, Hamburg, Germany · [Contact info](#)

[FREE Data Notion Space !\[\]\(115eff7009a76771e6b7adb966005e4c_img.jpg\)](#)



 All Project Resources

 Project Management Tools

 Tutorials & Learning Roadmap



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DATA NOTION SPACE

Simply click "Duplicate" and get
your very own Notion Data space

The screenshot shows a Notion workspace interface. At the top, there is a search bar with the placeholder 'Search' and a 'Duplicate' button, both of which are circled with a hand-drawn style orange marker. To the right of the search bar is the Notion logo. A large orange arrow points downwards from the search bar area towards a grid of nine cards. On the far left, there is a circular icon with a left-pointing arrow. The grid of cards includes:

- 1 Project Structure**: An image of a large building under construction with cranes.
- 2 Data Collection**: An image of hands holding chestnuts next to a bucket.
- 3 Data Cleaning**: An image of a hand holding a yellow spray bottle.
- 4 Data Exploration & Analysis**: An image of people looking at a map outdoors.
- 5 Preprocessing & Feature Engineering**: An image of various tools like pliers and a hammer on a table.
- 6 Modeling & Evaluation**: An image of several colorful toy robots.
- 7 Productionize Model**: An image of a large cargo ship.
- 8 Showcase Results**: An image of a clapperboard being held up.
- 9 Summary & Retrospective**: An image of a road sign against a sunset sky.



HI, I'M FABIAN



**I HELP YOU
TO BECOME
FLUENT IN DATA**



FOR PROJECT IDEAS EACH FRIDAY

+ Follow

& hit the 



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