

GameMarket

Presented by:

Illia Dolbnia

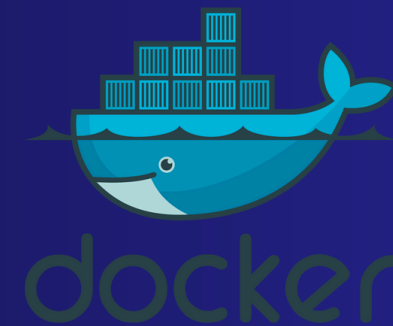
Sviatoslav Diachuk

Tools Used:

PostgreSQL: Relational database for structured data storage.



Docker: Containerization for consistent and portable database environments.



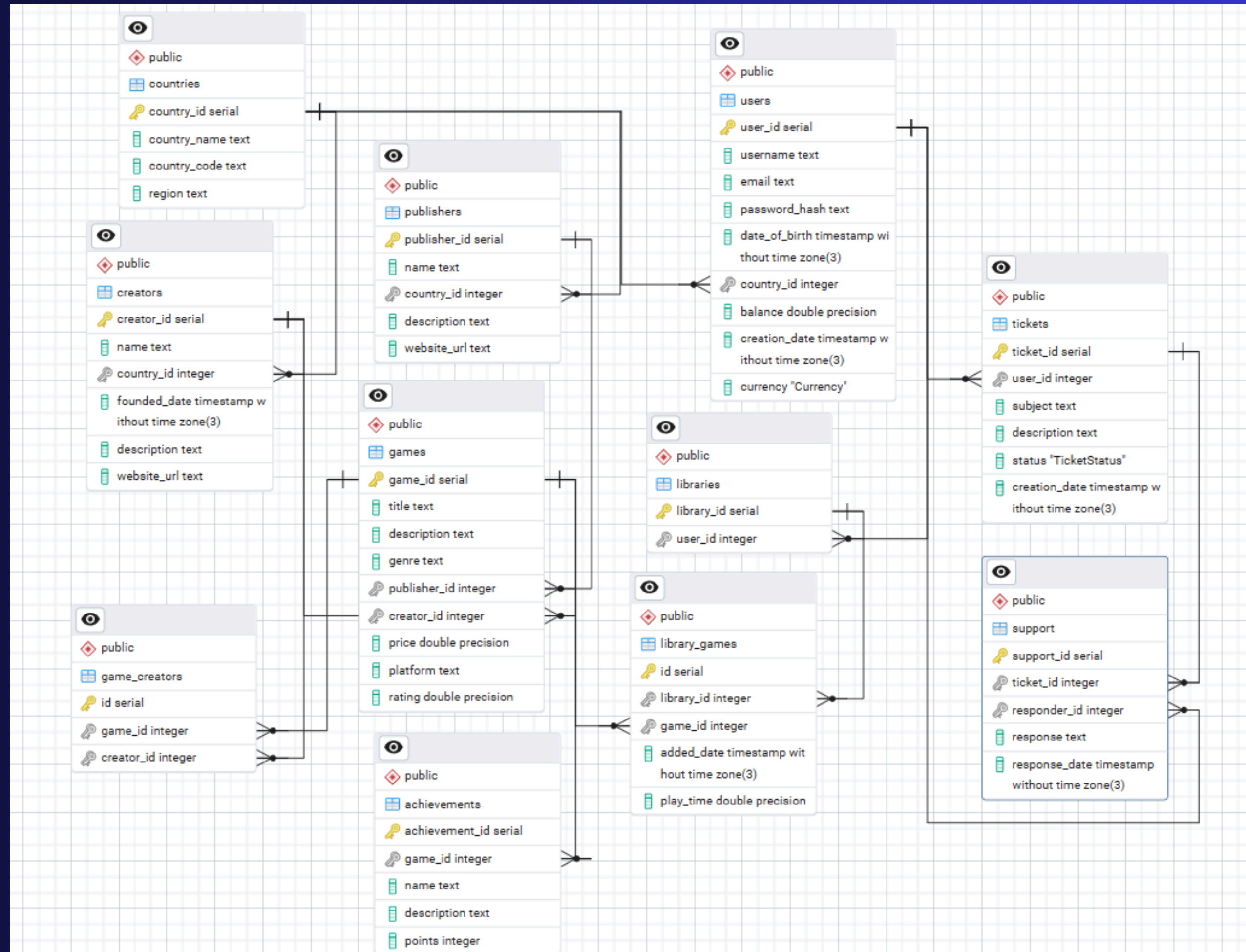
Power BI: Visualization and reporting for actionable insights.



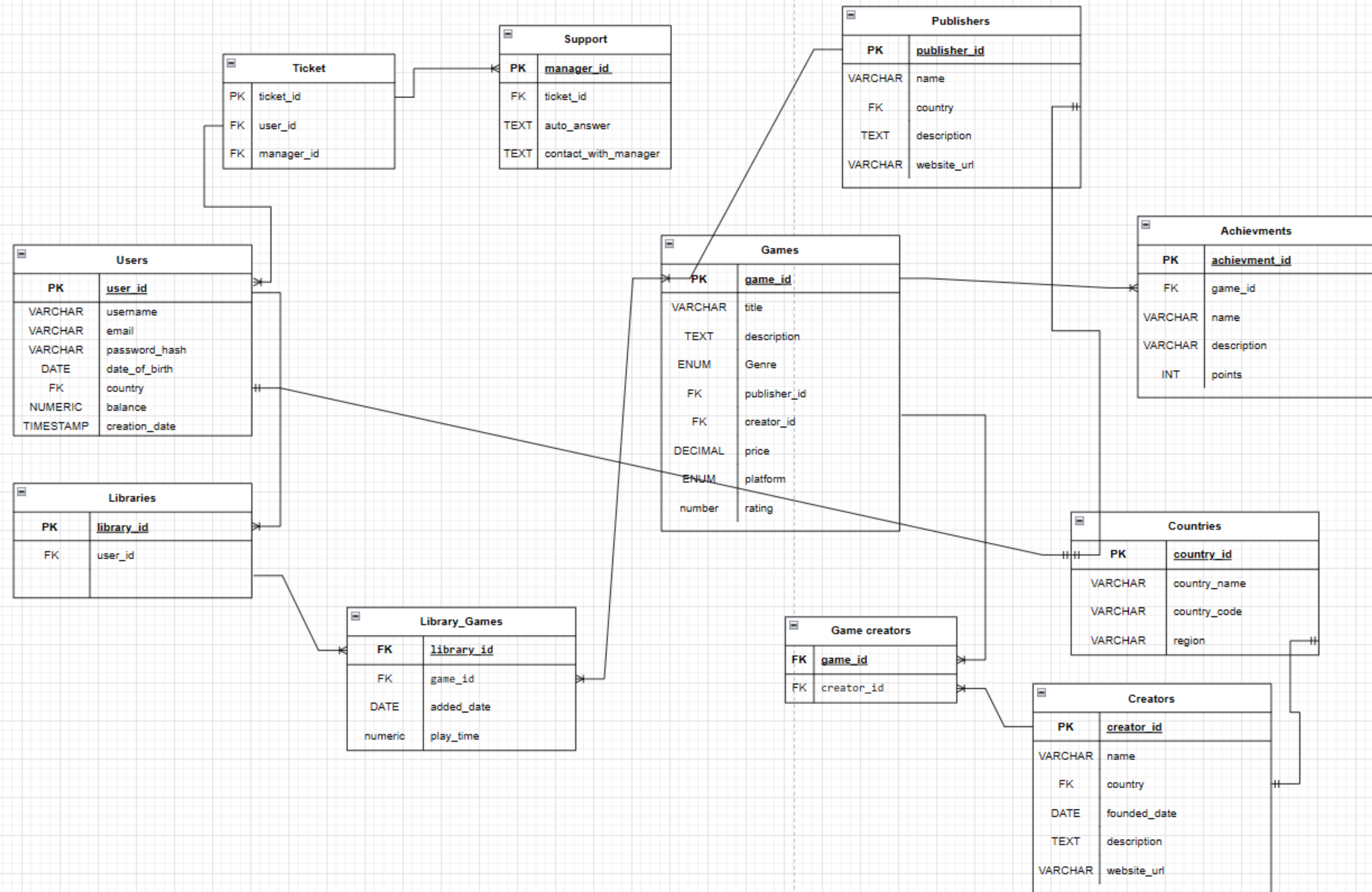
DrawIO: Creating UML schema for database.



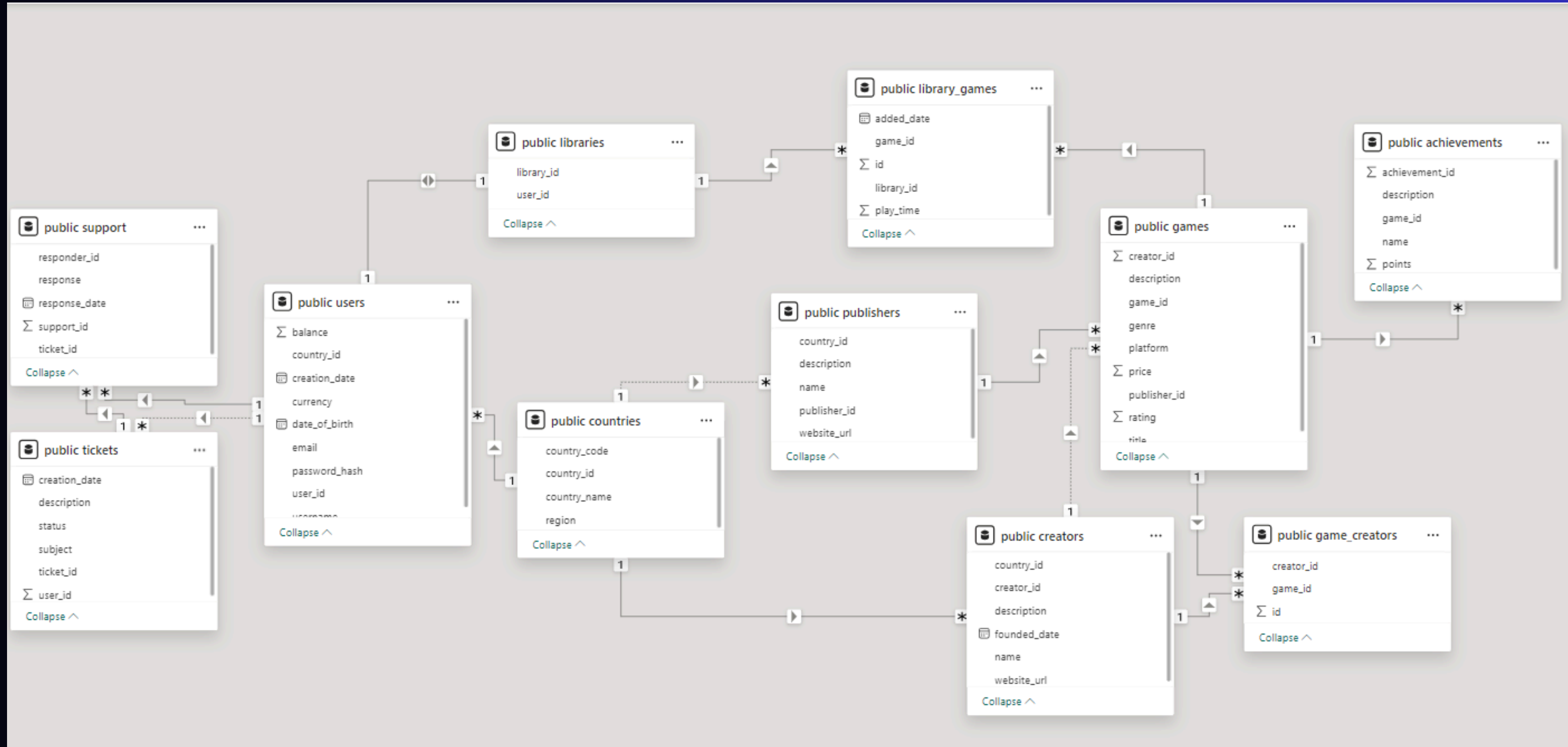
ERD for database



Relational System



Model View from PowerBI



Database (pgAdmin)

Query

Query History

Scratch Pad

X

1

2

3

4

5

6

SELECT *

FROM publishers

JOIN games ON publishers.publisher_id = games.publisher_id

JOIN game_creators ON games.game_id = game_creators.game_id

JOIN creators ON game_creators.creator_id = creators.creator_id;

|

Data Output

Messages

Notifications

Showing rows: 1 to 20

Page No: 1 of 1

	publisher_id integer	name text	country_id integer	description text	website_url text	game_id integer	title text	description text
1	3	Mraz, Skiles and Nitzsche	5	Business-focused well-modulated website	https://taut-tenement.com/	9	audentia pecco ventosus	Articulus unus
2	1	Turner - Waelchi	2	Open-source responsive knowledge user	https://wobbly-cross-contamination.name/	5	blandior currus animi	Curis tamqua
3	1	Turner - Waelchi	2	Open-source responsive knowledge user	https://wobbly-cross-contamination.name/	10	blanditiis asporto comburo	Correptius ac
4	3	Mraz, Skiles and Nitzsche	5	Business-focused well-modulated website	https://taut-tenement.com/	7	textor aestivus labore	Aperte surcul
5	1	Turner - Waelchi	2	Open-source responsive knowledge user	https://wobbly-cross-contamination.name/	10	blanditiis asporto comburo	Correptius ac
6	3	Mraz, Skiles and Nitzsche	5	Business-focused well-modulated website	https://taut-tenement.com/	9	audentia pecco ventosus	Articulus unus
7	2	Gleason, Berge and Re...	3	Compatible asynchronous local area network	https://writhing-sailor.org/	4	taedium venustas maxime	Uredo creta va
8	3	Mraz, Skiles and Nitzsche	5	Business-focused well-modulated website	https://taut-tenement.com/	9	audentia pecco ventosus	Articulus unus
9	2	Gleason, Berge and Re...	3	Compatible asynchronous local area network	https://writhing-sailor.org/	4	taedium venustas maxime	Uredo creta va

Database (pgAdmin)

Query

Query History

Scratch Pad

X

1

2

3

4

5

SELECT

users.email,

users.username,

support.*,

tickets.*

FROM

users

JOIN

tickets

ON

users.user_id = tickets.user_id

JOIN

support

ON

tickets.ticket_id = support.ticket_id;

Data Output

Messages

Notifications

Showing rows: 1 to 30

Page No: 1 of 1

	email text	username text	support_id integer	ticket_id integer	responder_id integer	response text
1	Berenice.Daniel@hotmail.com	Patience4	1	7	2	Subnecto vester admoneo depulso explicabo desipio desidero. Blanditiis deuto absorbeo acer voluptas arces
2	Olaf54@yahoo.com	Easter6	2	5	7	Velum maiores crudelis. Veniam dolorem via nostrum vester usus modi. Somnus copia cohors timor fuga labor
3	Mittie.Powlowski16@yahoo.com	Colten.Mayert	3	4	6	Utor voco vaco torqueo admoveo. Recusandae corporis aut vilis ea consequuntur accusator. Tui ante tibi et.
4	Daphne.Collins68@yahoo.com	Ali.Nienow	4	2	5	Surgo adsidue degusto deinde. Centum terra appono contra velociter. Defleo crur unde conqueror tametsi tres
5	Elinor_Cremin@gmail.com	Justen_Bradtke	5	6	7	Conventus demonstro capto aetas arceo tergum vigilo vaco vester amo. Consequatur culpo constans tego asc
6	Mittie.Powlowski16@yahoo.com	Colten.Mayert	6	4	9	Alter suus adulescens vilis vulnus taceo arceo. Asper ultra pauper alter causa derelinquo delectatio. Suffoco a
7	Berenice.Daniel@hotmail.com	Patience4	7	7	3	Adiuvo deficio amet adulescens laborum vinculum deleniti cur. Dignissimos voro summa tamdiu aut adulescer
8	Daphne.Collins68@yahoo.com	Ali.Nienow	8	2	2	Corona alter aptus degero. Calculus ancilla strues comprehendo. Solus decumbo claustrum uxor thalassinus c
9	Mittie.Powlowski16@yahoo.com	Colten.Mayert	9	4	4	Creta amo solvo. Odit vix calco agnosco patruus uter. Urbs circumvenio depereo verito cur socius sunt.

Total rows: 30

Query complete 00:00:00.040

CRLF

Ln 5, Col 1

Database (pgAdmin)

Query

Query History

Scratch Pad

X

1

2

3

4

5

SELECT users.*, support.*, tickets.*

FROM users

JOIN tickets ON users.user_id = tickets.user_id

JOIN support ON tickets.ticket_id = support.ticket_id;

Data Output

Messages

Notifications

Showing rows: 1 to 30

Page No: 1 of 1

	user_id integer	username text	email text	password_hash text	date_of_birth timestamp without time zone (3)	country_id integer	balance double precision	creation_date timestamp without time zone (3)	currency "Currency"
1	7	Patience4	Berenice.Daniel@hotmail.com	4L2WRfAbH3nAM...	1964-05-26 17:32:55.505	4	213.53	2024-01-06 17:18:09.481	EUR
2	3	Easter6	Olaf54@yahoo.com	1WNeDqJIDC3KVAy	1999-06-17 18:07:40.146	4	792.8	2024-02-25 22:36:14.452	EUR
3	1	Colten.Mayert	Mittie.Powlowski16@yahoo.com	uPDhHzPmbbvLV...	1974-05-26 08:17:56.32	1	695.86	2024-11-16 22:25:48.375	USD
4	8	Ali.Nienow	Daphne.Collins68@yahoo.com	SMfN50fEfi4ABp1	1965-08-06 00:33:33.474	2	517.93	2024-06-22 21:20:07.114	USD
5	4	Justen_Bradtke	Elinor_Cremin@gmail.com	mRWFmGyveoBA...	2000-05-24 04:17:52.565	3	970.82	2024-12-17 03:50:10.067	JPY
6	1	Colten.Mayert	Mittie.Powlowski16@yahoo.com	uPDhHzPmbbvLV...	1974-05-26 08:17:56.32	1	695.86	2024-11-16 22:25:48.375	USD
7	7	Patience4	Berenice.Daniel@hotmail.com	4L2WRfAbH3nAM...	1964-05-26 17:32:55.505	4	213.53	2024-01-06 17:18:09.481	EUR
8	8	Ali.Nienow	Daphne.Collins68@yahoo.com	SMfN50fEfi4ABp1	1965-08-06 00:33:33.474	2	517.93	2024-06-22 21:20:07.114	USD
9	1	Colten.Mayert	Mittie.Powlowski16@yahoo.com	uPDhHzPmbbvLV...	1974-05-26 08:17:56.32	1	695.86	2024-11-16 22:25:48.375	USD

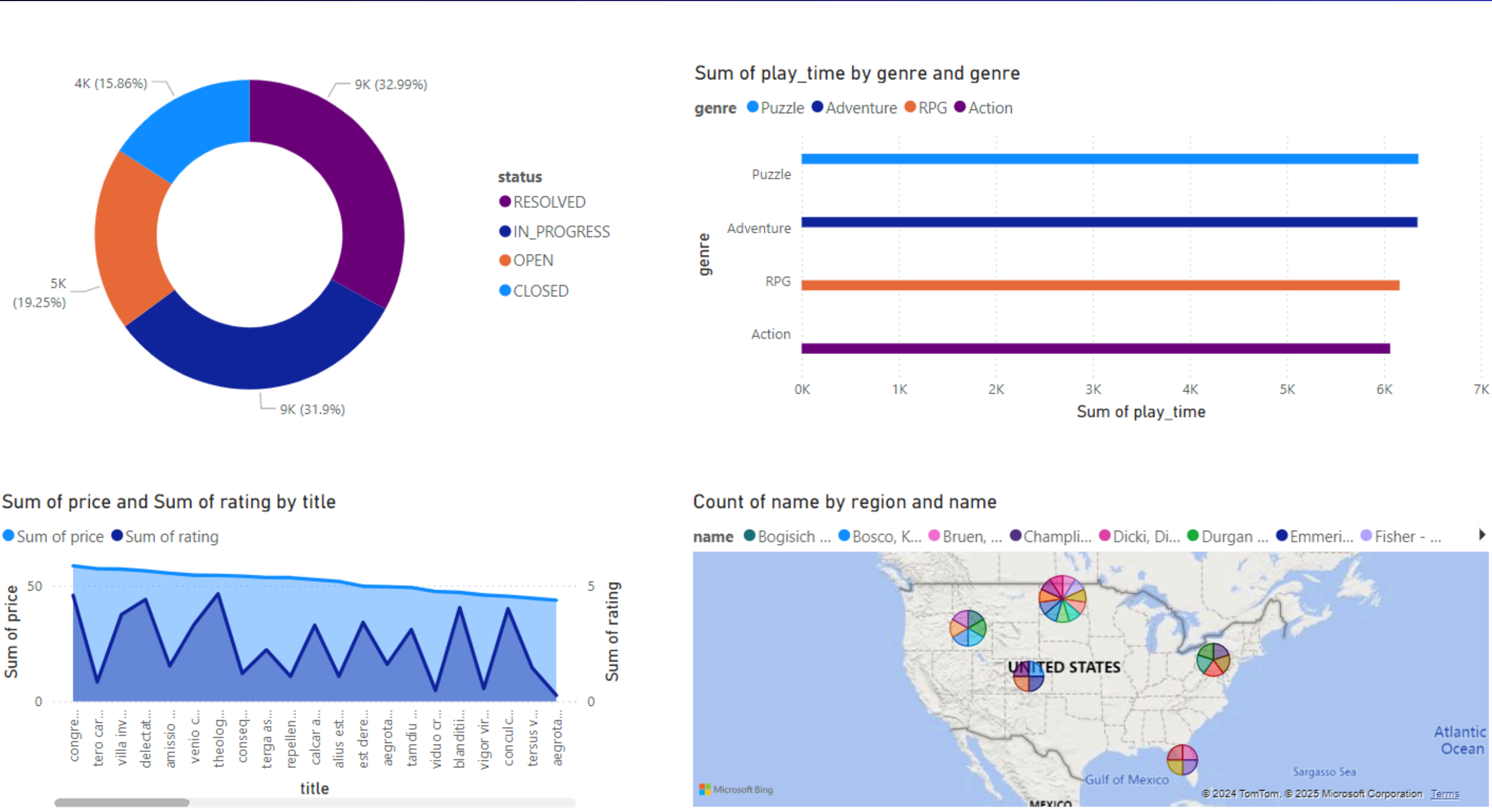
Total rows: 30

Query complete 00:00:00.037

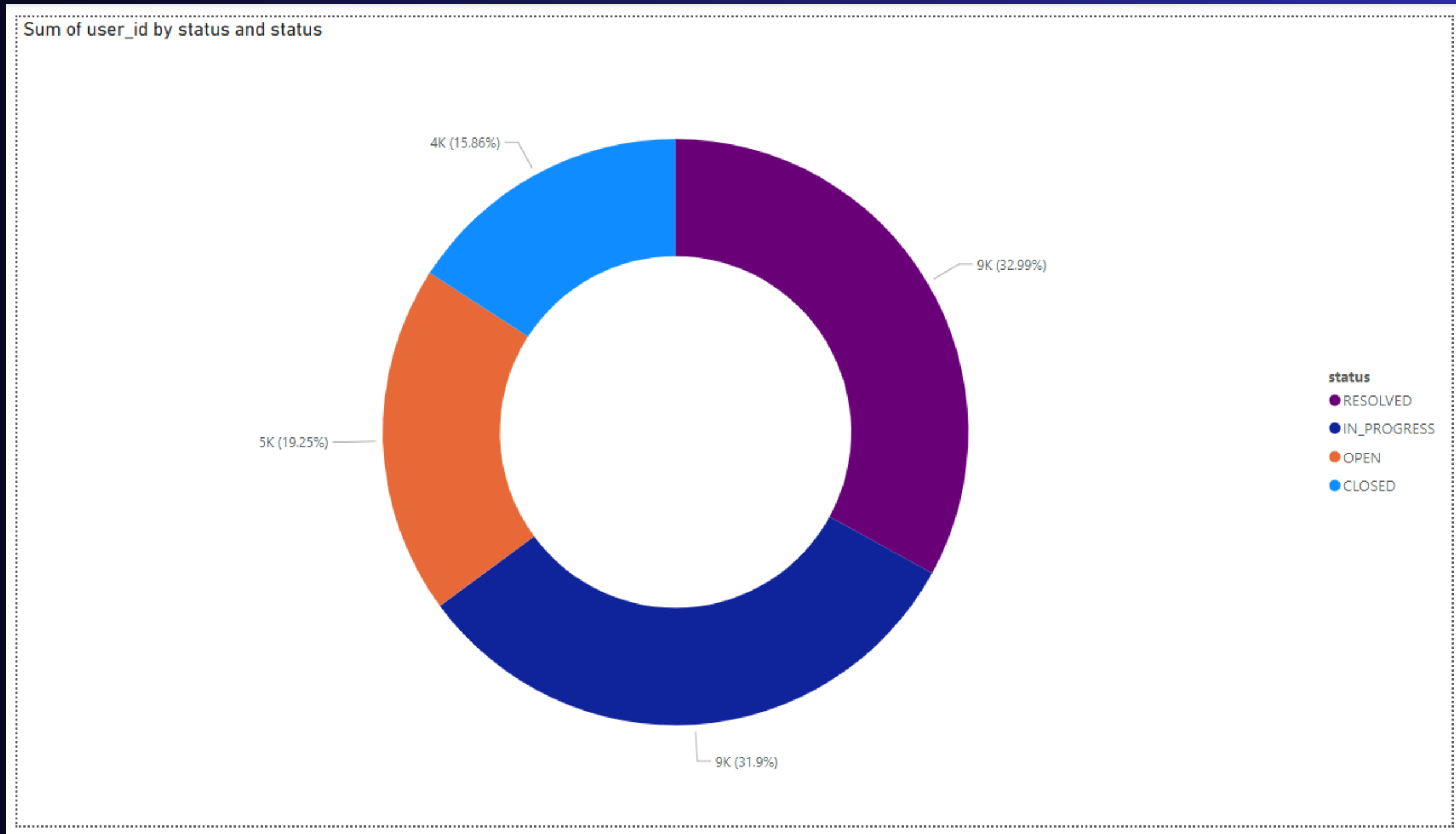
CRLF

Ln 5, Col 1

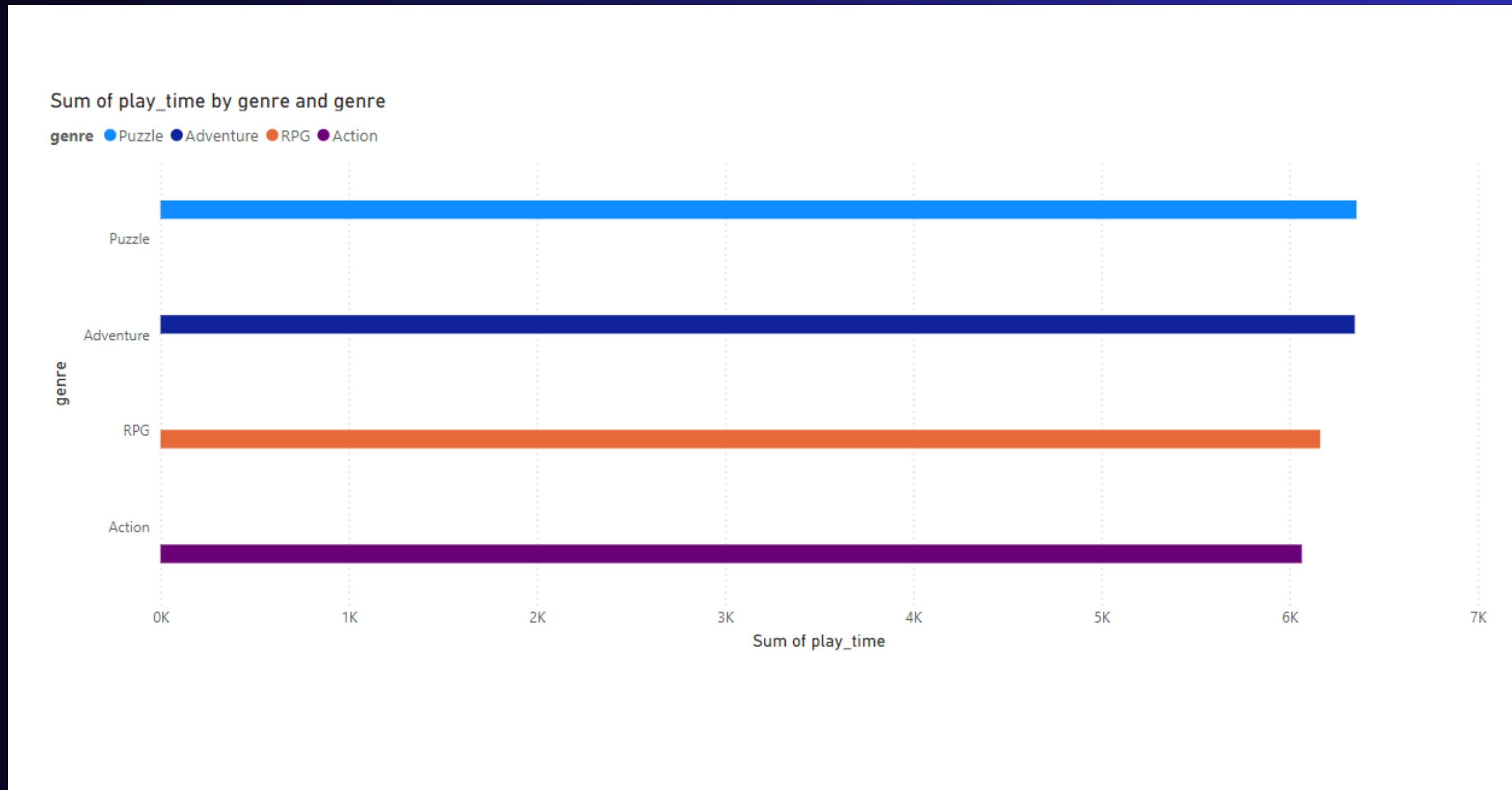
Database visualisation from Power BI



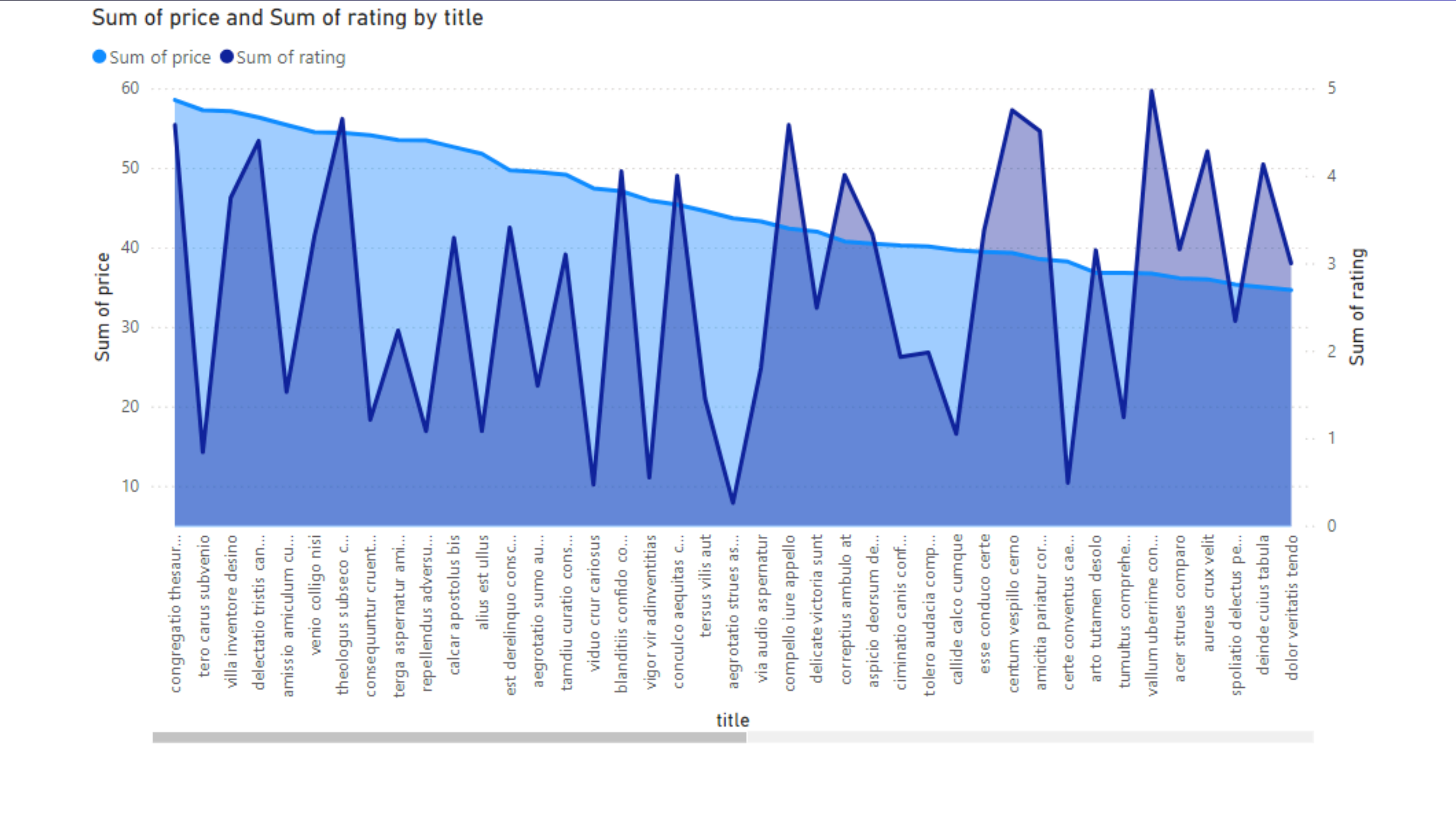
Sum of users ticket status



Sum of play time by genre



Sum of price and sum of rating by game title



Map of game creators

Count of name by region and name

name ● Bogisich ... ● Bosco, K... ● Bruen, ... ● Champli... ● Dicki, Di... ● Durgan - ... ● Emmeri... ● Fisher - ... ● Goldner ... ● Goldner ... ● Gottlieb ... ● Goyette, ...

