



# ¿Como impacta el machine learning en la industria de videojuegos?

Blue Team

# Metodologia



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Problematica

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Antecedentes

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Datos Utilizados

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Proceso

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Modelo

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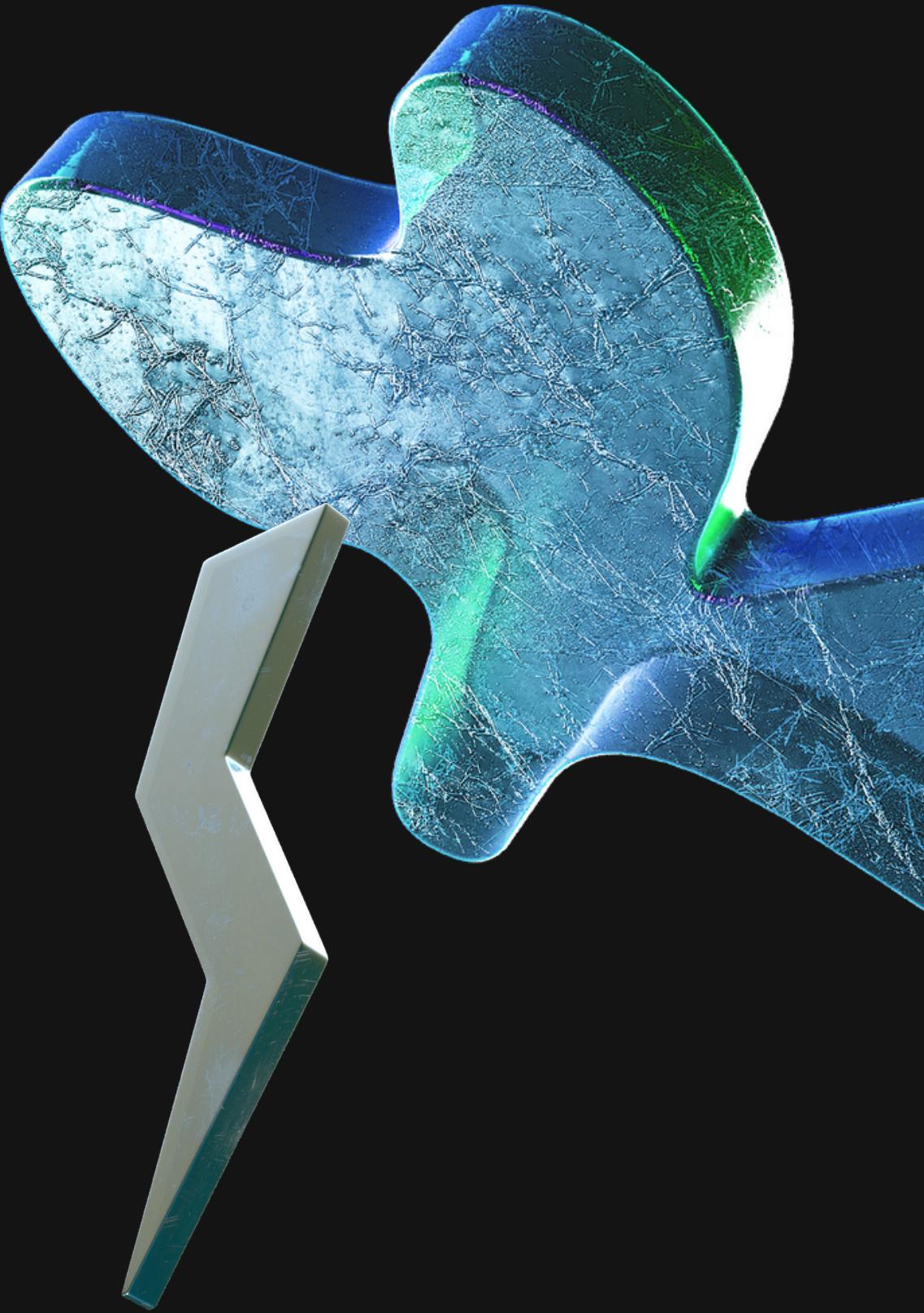
Conclusiones

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# Problematica

## Desarrollo de Videojuegos.

Hoy en día existe mucha competencia al momento de ser desarrollador de videojuegos y una de las plataformas más importantes de venta de videojuegos es Steam. Para un desarrollador es importante lograr posicionar su juego de una manera positiva para que tenga alta publicidad.



# Datos Utilizados

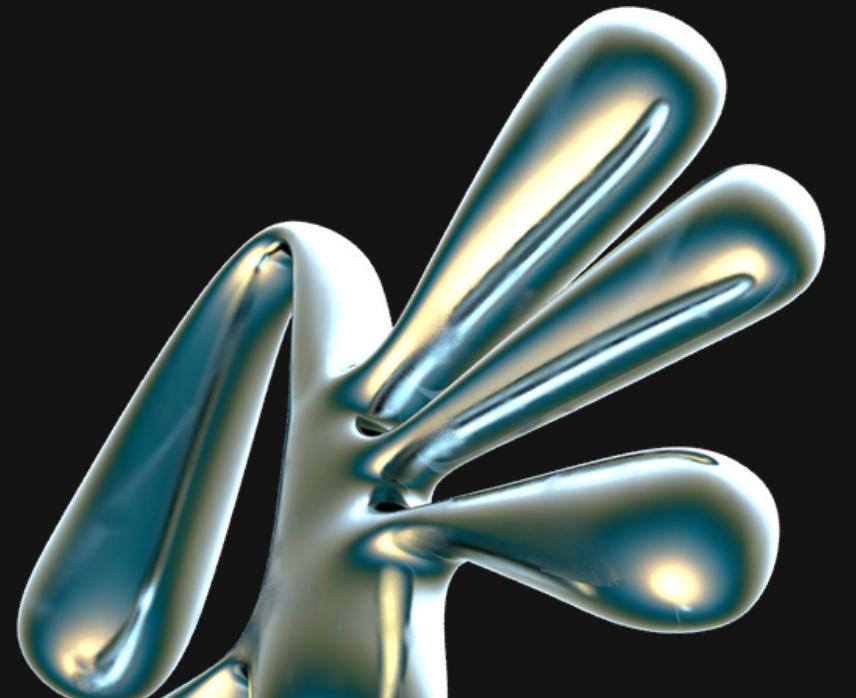
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- Kaggle
- Steam

# Antecedentes

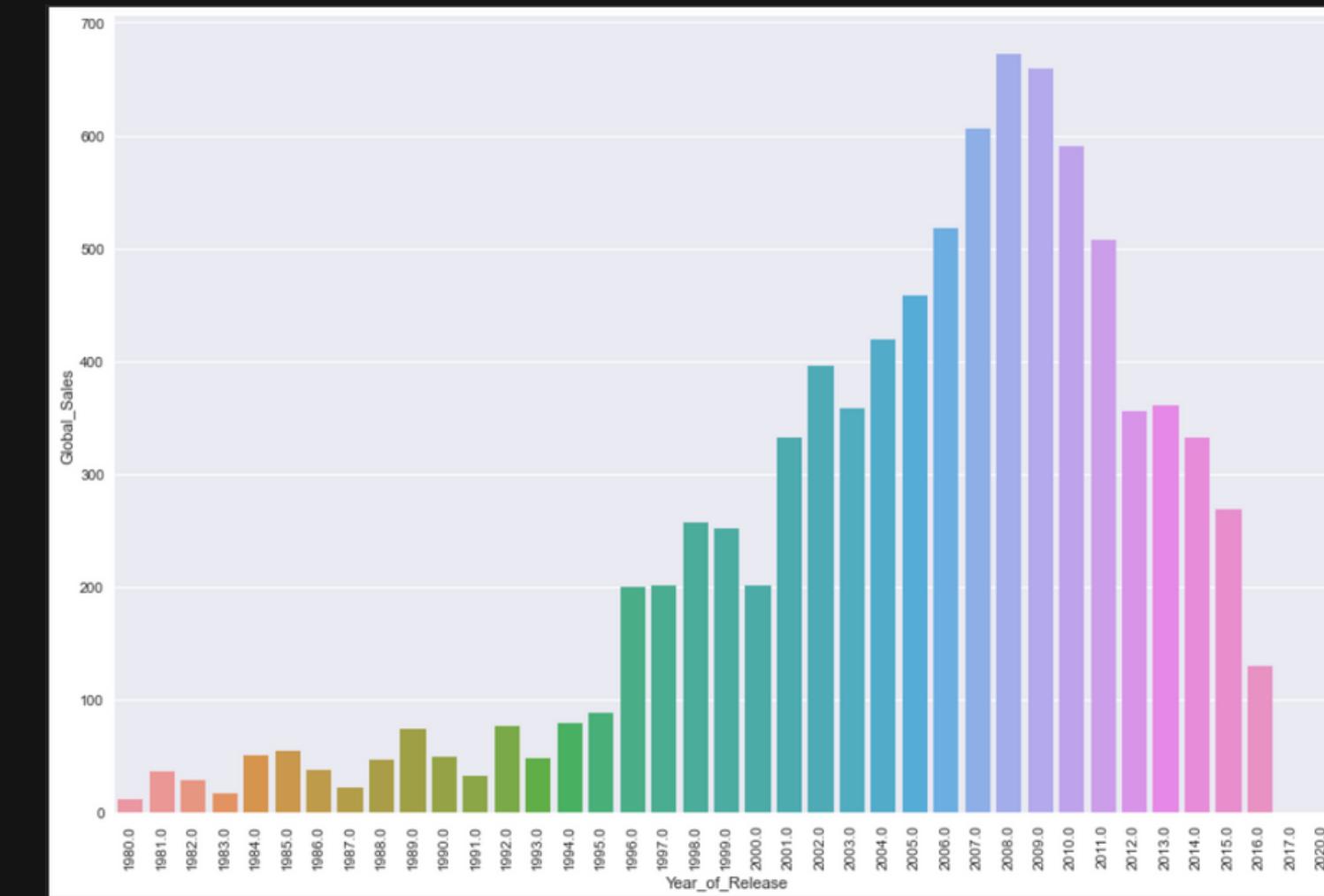
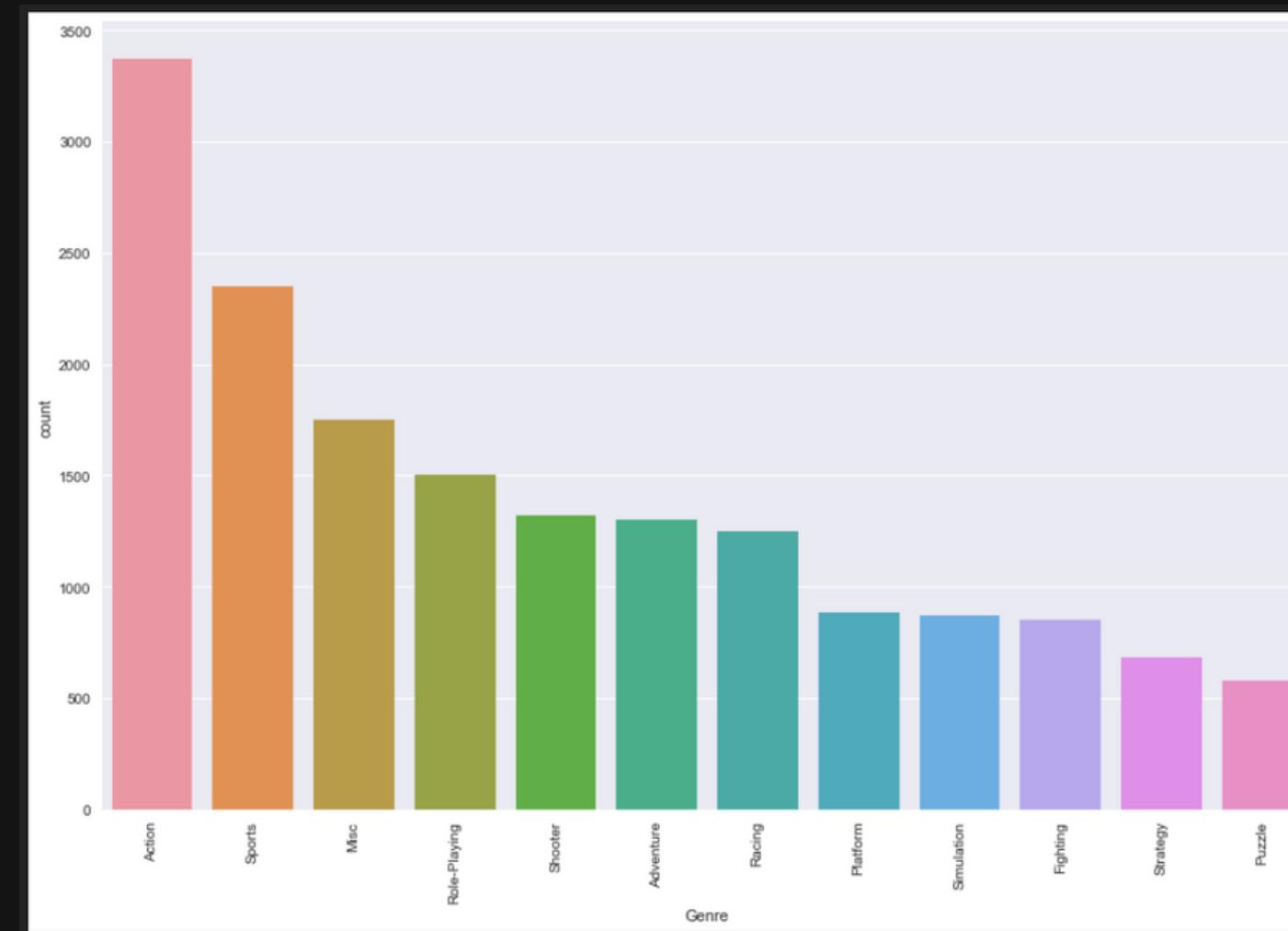
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- Data Science
- Web App
- Machine Learning.

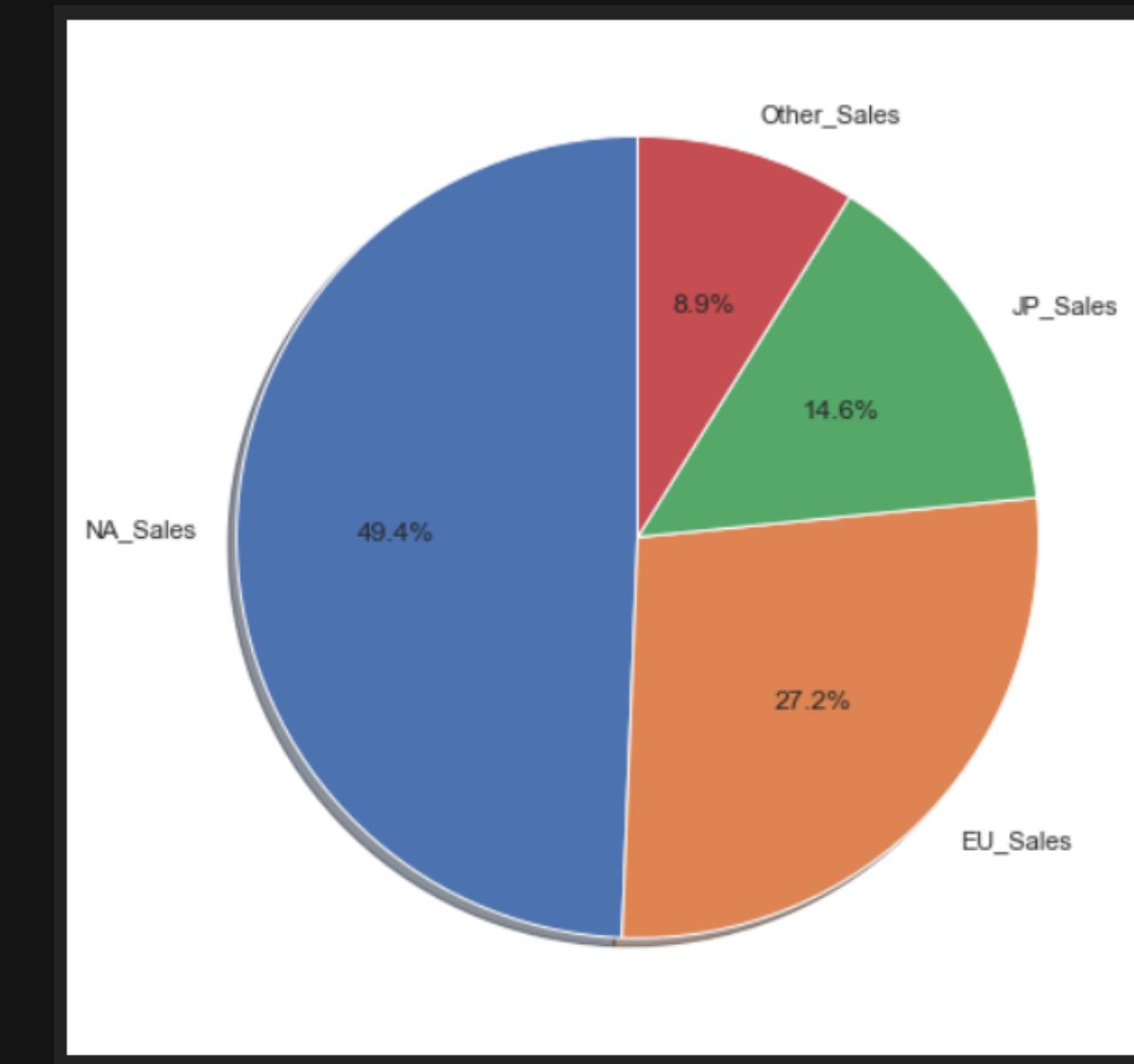


# Data Science

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# Data Science



# Web App

The image displays a screenshot of a web application interface titled "Steam Stats". The interface is divided into several sections:

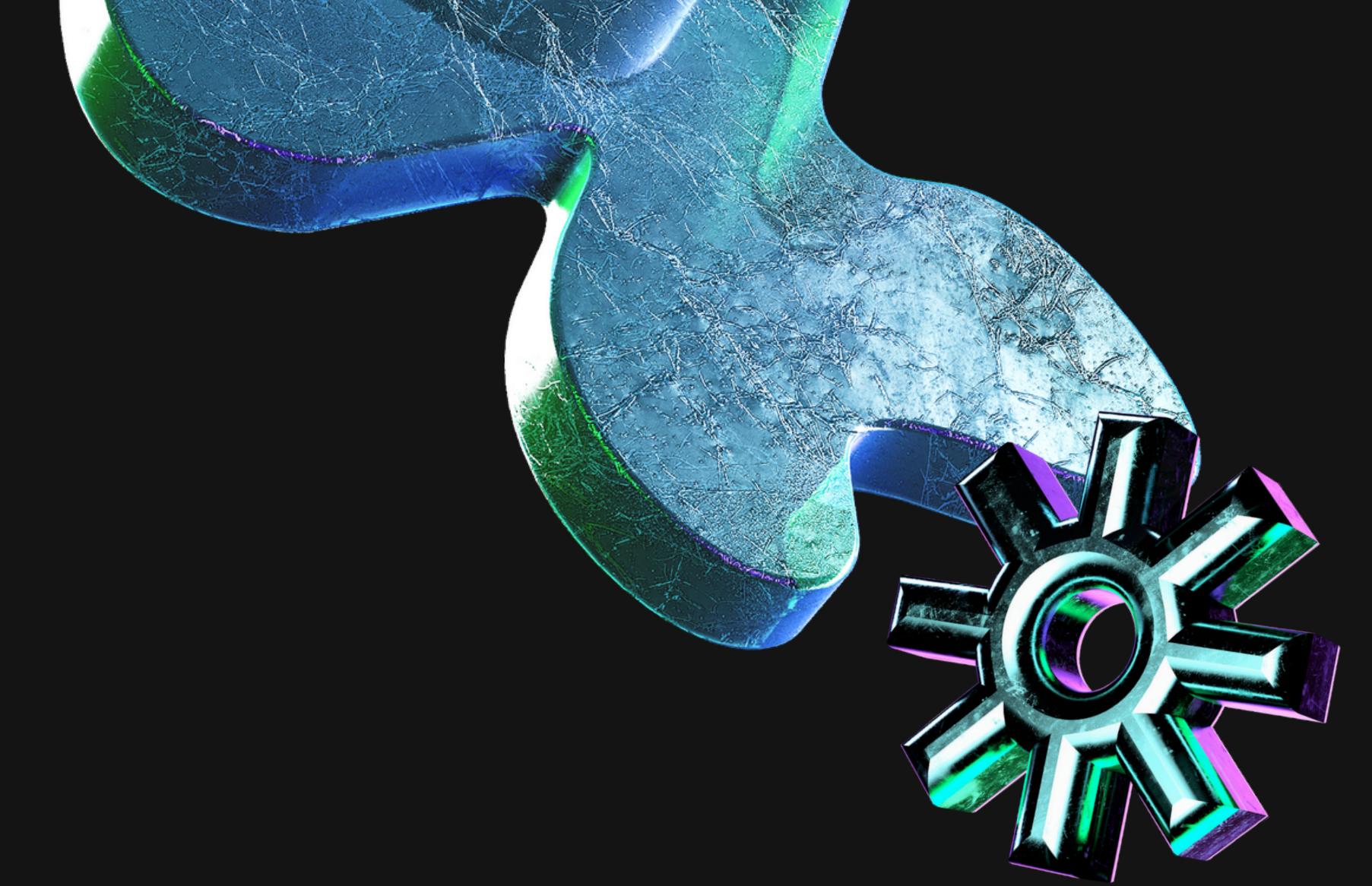
- User Management:** A sidebar on the left shows a list of users with roles: Admin (Admin@Admin.com), User (user@user.com), and Premium (premium@premium.com). There are buttons for "Add registry" and "Edit".
- Game Database:** The main content area is titled "Base de datos Cruda". It contains a table with columns: Nombre, Lanzamiento, Developer, and Publisher. The table lists five games: Half-Life A, Half-Life B, Half-Life C, Half-Life D, and Half-Life E.
- Navigation:** A sidebar on the right includes links for "Inicio", "Vistas", "Report Generator", and "Dynamic Query".
- Login/Registration:** A modal window titled "Steam Stats" with a "premium" user icon shows a registration form with fields for "Nombre" and "Contraseña". A "Registrarse" button is present.
- Header:** The top header includes the "Steam Stats" logo, a "Logout" link, and a user profile icon.
- Footer:** The bottom right corner contains a large amount of placeholder text: "bus magna. Nullam a sem consectetur, tempor lectus vel, vestibulum sapien. Ut mattis molestie arcu a velit. Phasellus ac commodo tellus. Sed vitae vehicula enim. Fusce tempus sem ac tortor dictum, erisque tempus, urna odio faucibus ex, non dapibus risus libero eget dolor. Lorem ipsum dolor sit us ultricies justo viverra in."

# Proceso

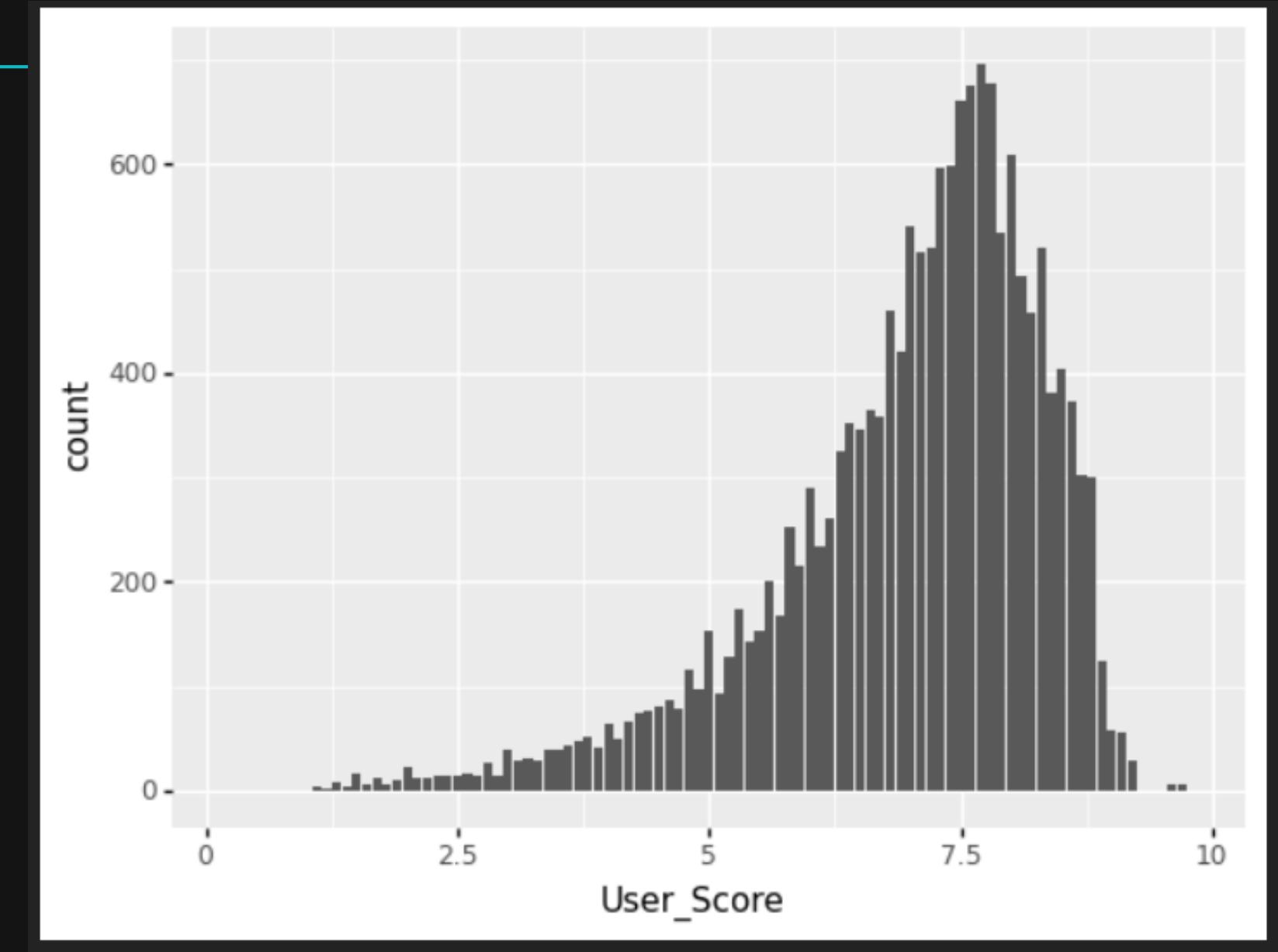
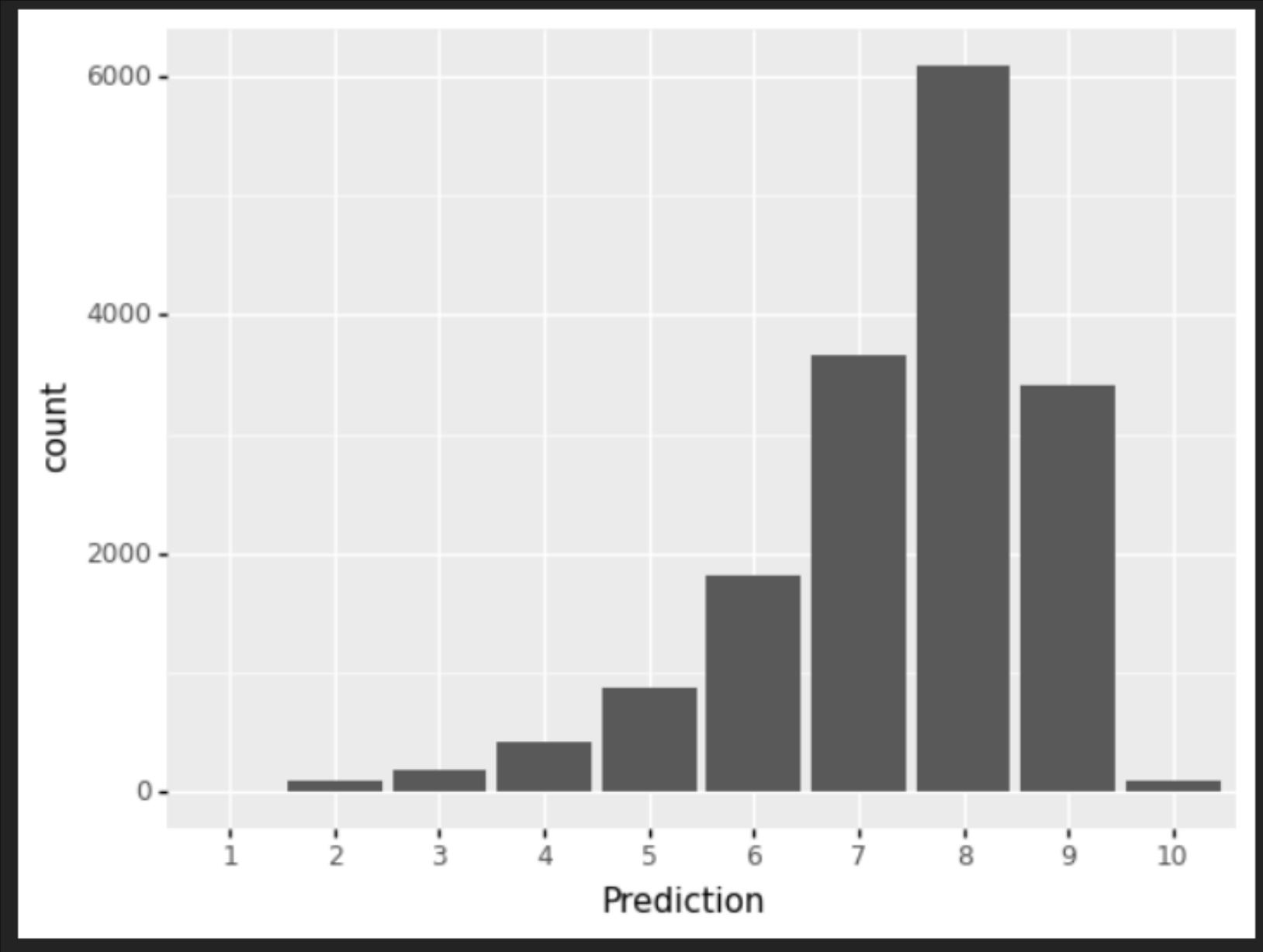
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- Limpieza de datos.
- Normalización de datos.
- Analizar los datos.
- Preparar los datos para el modelo.
- Entrenar el modelo.
- Generar Predicciones.

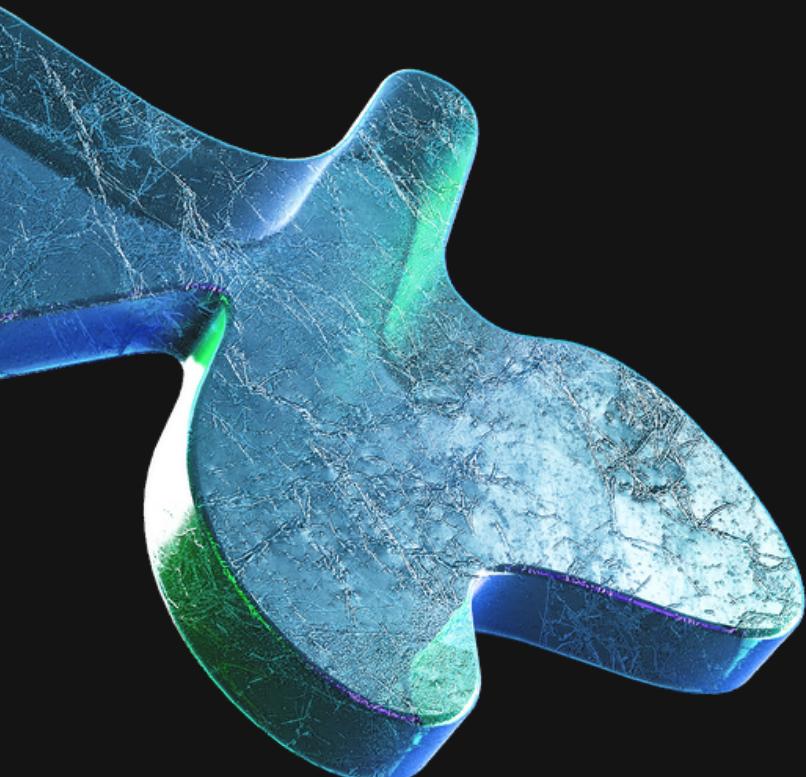
# Modelo

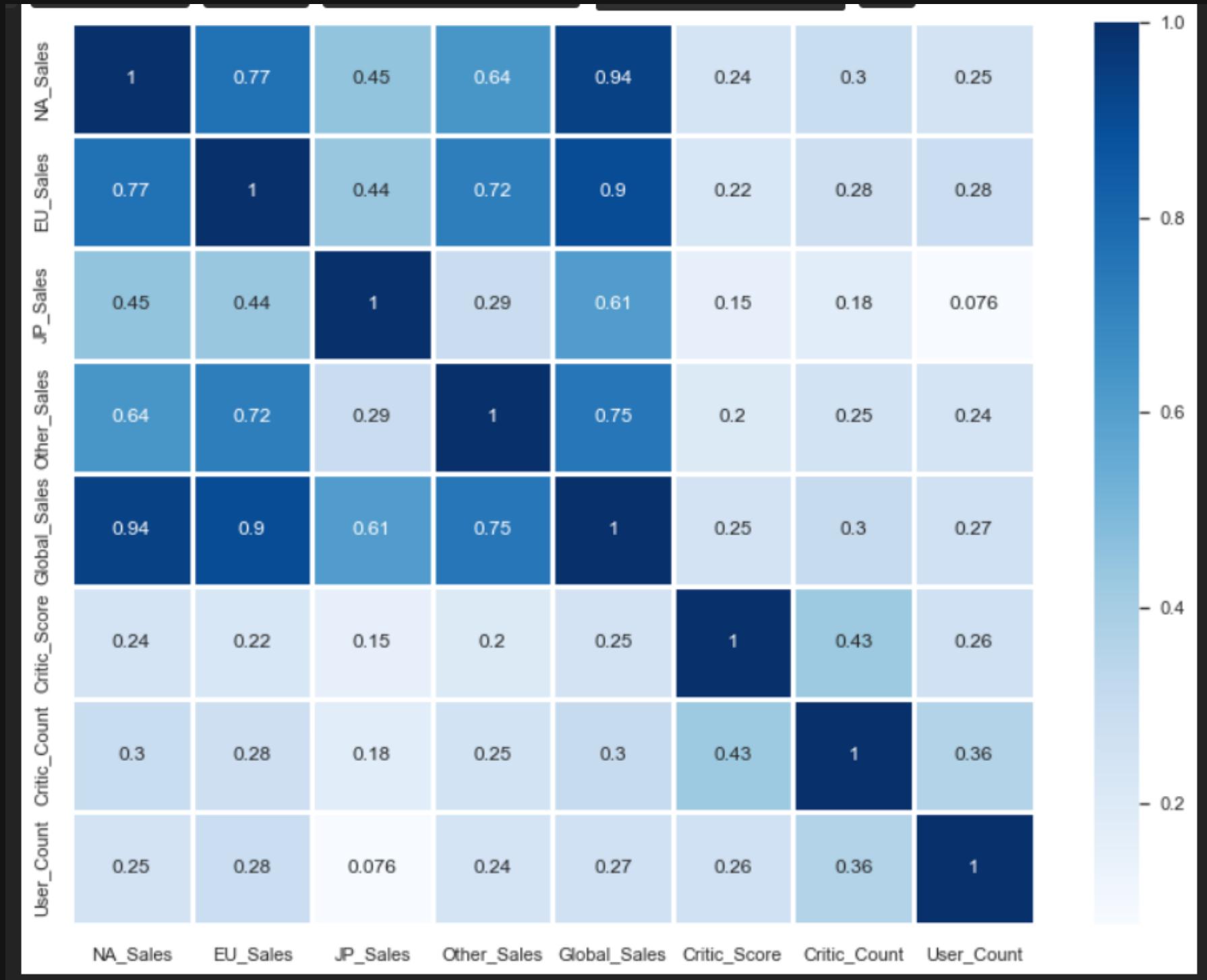


# Modelo



# Conclusiones

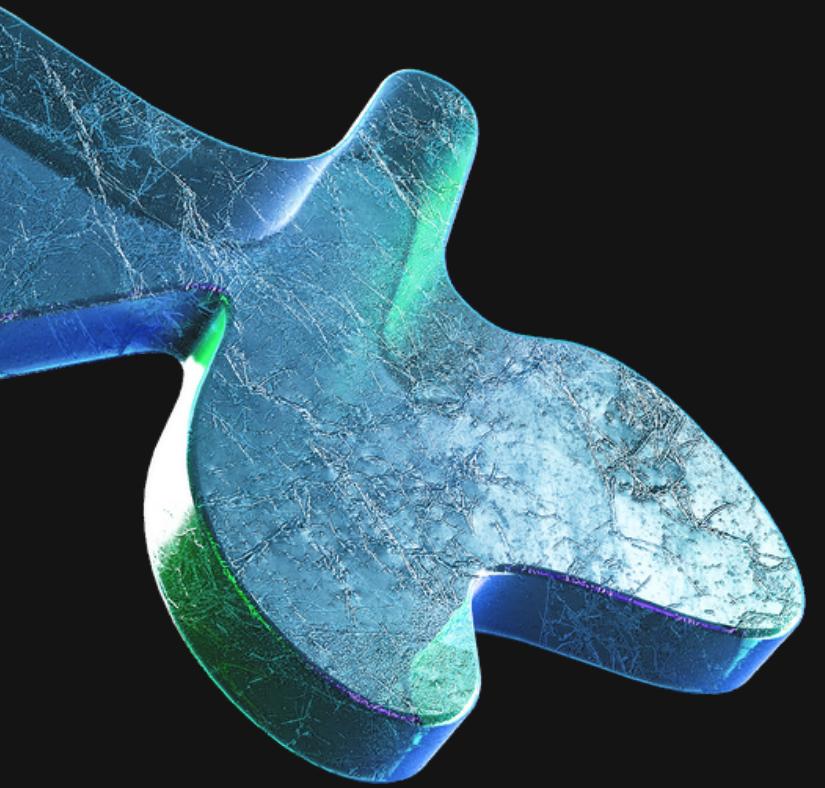




```
import numpy as np
from sklearn.metrics import mean_squared_error
error = np.sqrt(mean_squared_error(Sales_etiquetas_test, predicciones))
print("Error porcentual : %f" % (error*100))
```

Error porcentual : 0.526284

# Futuro del Proyecto



# Recomendador

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10 recomended game for BioShock Infinite are:

```
1 BioShock™ Remastered (Postitive Ratings : 8652)
Similarity : 0.8333333333333336
2 BioShock™ 2 Remastered (Postitive Ratings : 2796)
Similarity : 0.5477225575051662
3 Digger Online (Postitive Ratings : 8700)
Similarity : 0.5000000000000001
4 F.E.A.R. (Postitive Ratings : 6371)
Similarity : 0.4714045207910318
5 Quantum Break (Postitive Ratings : 10249)
Similarity : 0.4629100498862757
6 Yakuza 0 (Postitive Ratings : 9023)
Similarity : 0.4629100498862757
7 Call of Duty®: Infinite Warfare (Postitive Ratings : 7821)
Similarity : 0.4330127018922194
8 ACE COMBAT™ 7: SKIES UNKNOWN (Postitive Ratings : 4643)
Similarity : 0.4330127018922194
9 Ricochet (Postitive Ratings : 2758)
Similarity : 0.4082482904638631
10 QUAKE (Postitive Ratings : 2618)
Similarity : 0.4082482904638631
```

10 recomended game for Portal are:

```
1 Portal 2 (Postitive Ratings : 138220)
Similarity : 0.7302967433402215
2 Antichamber (Postitive Ratings : 12232)
Similarity : 0.6
3 Polarity (Postitive Ratings : 3932)
Similarity : 0.6
4 Quantum Conundrum (Postitive Ratings : 1224)
Similarity : 0.5477225575051662
5 The Witness (Postitive Ratings : 6572)
Similarity : 0.5477225575051662
6 Q.U.B.E: Director's Cut (Postitive Ratings : 1194)
Similarity : 0.5477225575051662
7 Hello Neighbor (Postitive Ratings : 1531)
Similarity : 0.5477225575051662
8 The Turing Test (Postitive Ratings : 3012)
Similarity : 0.50709255283711
9 The Talos Principle (Postitive Ratings : 17237)
Similarity : 0.47434164902525683
10 Bendy and the Ink Machine™ (Postitive Ratings : 9901)
Similarity : 0.44721359549995787
```