Steam Games Data Visualization Dashboard

Dataset

Source file: data/bestSelling_games.csv , Kaggle ling

Key fields: game_name, developer, release_date/year, estimated_downloads, all_reviews_number, reviews_like_rate, rating, price, difficulty, length, age_restriction, user_defined_tags, supported_os, supported_languages

Goals

Build an interactive dashboard to explore trends and relationships across the game catalog.

Provide clear insights with advanced visualizations and practical interactivity.

Techniques

Visualizations: treemap, sunburst, parallel coordinates, 3D scatter, heatmap, icicle, bar, line, bubble.

Key Findings

Free-to-play, evergreen multiplayer titles drive the bulk of downloads, with older releases sustaining large player bases; ratings align closely with review like rates while price shows a weak relationship to ratings.

Contribution

Data preprocessing, Bar Chart, Treemap Chart, Parallel Coordinates - Muhammet Göktuğ Canik

Report Writing, Bubble, Sunburst, Heatmap - Burak Alper Aslan

Interactivity implementation, Line Chart, Icicle Chart, 3D Scatter - Muzaffer Mut

Repository Link