

## Introduction

## Literature Review

Digital Entertainment
Socio-Cultural impact
Consumer trends
Impact on GDP



## **Dataset Description**

Video Game Sales 1978-2024

Name

Genre

**NASales** 

**EUSales** 

**JPSales** 

OtherSales

GlobalSales

# TECHNOLOGY & FRAMEWORK SELECTION

- Programming Language
- Data Processing Frameworks
- Data Visualization Tools
- Version Control and Collaboration
- Optional and Supportive Tools

# DATA INTEGRATION & ENRICHMENT STRATEGY



Primary Dataset



Supplementary Data Sources



Data Linking and Enrichment Process



Analytical Objectives

### PROPOSED BIG DATA ARCHITECTURE

#### Data Ingestion Layer

- Gigasheet Video Game Sales
- ESA 2024 Economic Report
- WIPO Industry Studies
- World Bank / IMF Indicators

### Integrated Analytical Model

- Correlation analysis
- Trend forecasting



#### Data Harmonization Layer

- Temporal alignment (1978–2024)
- · Geospatial normalization
- Unit standardization



Feature Derivation Layer

- Sales-to-GDP ratio
- Market elasticity
- Regional performance indices

## Methodology





Data Acquisition



Data Preprocessing



Feature
Engineering and
Aggregation



Analytical Modelling



Visualization and Reporting



Validation and Reproducibility

## **RESULTS & DISCUSSION**





Regional Market Dynamics
Platform Evolution
Genre and Publisher Trends
Analytical Modelling
Economic Influence
Limitations

PRESENTATION TITLE 10

# Thank you



