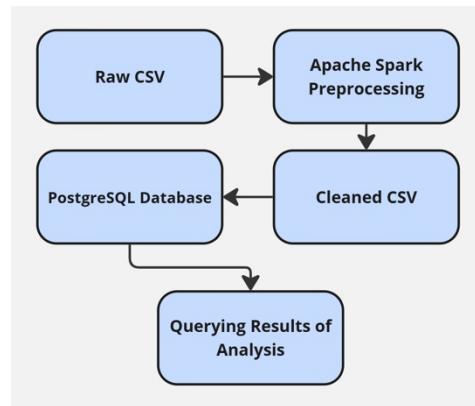


Built a full-stack data analysis pipeline to process and explore large datasets (Glassdoor job reviews, IMDB ratings, and Artworks metadata). Data was cleaned and processed with Spark, stored in MySQL, and exposed via a Flask API. Designed a responsive web interface (HTML, CSS, JS) to visualize trends and insights from millions of records.



Outline of the project pipeline

ARTWORKS

Select Year Range: 1056 – 2024



Choose an Artwork Style:

-- Any Style --

Choose an Artwork Genre:

-- Any Genre --

Search by Artist Name (Optional):

e.g., Claude Monet

Search by Average Color:



Enable Color Filter

Search

Results from 1056 to 2024 near color #3b3687

Sorted from earliest to latest date:



Number 19

Roger Weik

1882

Abstract Expressionism
abstract



Amaryllis

Henri Le Fauconnier

1882

Post-Impressionism
flower painting



Illustration for Down-Adown-Derry

Dorothy Lathrop

1882

Art Nouveau (Modern)
illustration



The Great Strike

Devin Leonardi

1882

Contemporary Realism
figurative

GLASSDOOR

Glassdoor Analytics Dashboard

Let's get some insights into company reviews and job ratings!!!



Job Analysis

Ratings Filtered by Job:

e.g., Software Engineer

Top N Items for Job or Company Reviews:

5

Set Threshold for Average Rating:

0.0

Pros/Cons Ratio Order:

Highest

Select Analyses:

- ☐ Top N Jobs by Reviews
- ☐ Top N most reviewed companies
- ☐ Jobs by pros/cons word count ratio
- ☐ Jobs with average rating above threshold

Show Results

Filtered Job: "manager"

Category: manager
Review Count: 890581
Average Rating: 3.63

Top N Jobs by Reviews

Job	Review Count
anonymous employee	1387461
None	563058
sales associate	127645
software engineer	108260

IMDB

Multi-Dataset Query Dashboard

ArtworksGlassdoorIMDB

IMDB Analytics Dashboard

Exploring insights into movies, ratings, and industry trends!



Movie Analysis

Select an Analysis:

Movie Reception

Number of Results:

10

Show Results

Movie Analysis

Select an Analysis:

One Hit Wonders



Profession:

e.g., director

IMDB Rating:

9.0

Number of Results:

10

Show Results