

Movie Rating Prediction Project

Easy Presentation Guide

1. Start with a quick hook \30 seconds\

Open with a question: "How many times have you watched a movie you didn't love?"

Promise the outcome: our model predicts ratings before you press play.

2. Share the simple story \2 minutes\

Slide 1 â The problem: people rate 100k movies but most pairs are unknown.

Slide 2 â Our solution: a three-step pipeline that groups users, makes rules, and finds hidden tastes.

Slide 3 â Visual cue: reuse the K-Means clusters graphic and label each cluster with a persona.

3. Explain each method with analogies \3 minutes\

K-Means â Study groups: show a table with "Movie Lovers" through "Critics" and their habits.

Decision Tree â Flowchart: walk top to bottom, highlighting how we branch on movie popularity and generosity.

Matrix Factorization â Hidden tastes: compare to Spotify uncovering your secret playlist vibe.

Tip: keep each explanation under 40 seconds and point to the matching slide icon.

4. Highlight results and impact \1 minute\

Share the rating accuracy snapshot and the insight that users are generous \average 3.5\ Tj ET BT /F

Connect back to the hook: we help people skip mediocre movies and surface hidden gems.

5. Close with engagement \30 seconds\

Ask for a volunteer's favorite genre and describe how the model would tailor picks for them.

Invite questions: "Want to know which part of the pipeline matters most?"

Presenter checklist