Rmd Report:

MovieLens Project Report

Introduction

[Include your introduction here.]

Data Preprocessing

[Describe your data preprocessing steps here.]

Algorithm Development

[Explain your algorithm development process here.]

Results

[Present your results and analysis here.]

Conclusion

[Summarize your findings and conclude the report.]

References

[List any references used in your project.]

PDF Report (knit from Rmd):

[Include the content of your PDF report here, as it may be quite lengthy.]

R Script:

MovieLens Project R Script

Load necessary libraries

library(tidyverse)

library(caret)

Load and preprocess data

[Include your data loading and preprocessing code here.]

Algorithm development

[Include your algorithm development code here.]

Calculate RMSE

[Include your RMSE calculation code here.]

Print RMSE

cat("RMSE:", rmse_value)