CSC4008 - Assignment 1

Yohandi

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Sales Analysis

The total sales for the 3 types

The average sales on Holidays vs. Non-Holidays

Sales are generally higher during holidays.

People You Might Know

Spark pipeline sketch

First, load the ego-facebook.txt into a Spark DataFrame, treating each friendship as a bidirectional edge. Perform a self-join on the data to count mutual connections but exclude direct friendships and self-friendships. For each user, sort the recommendations based on mutual friend counts and user ID (as a secondary sort).

Recommendations for the users with the following user IDs: 10, 152, 288, 603, 714, 1525, 2434, 2681

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Recommendations for 10: [2, 3, 4, 5, 6, 7, 8, 9, 11, 12]
Recommendations for 152: [2, 3, 4, 5, 6, 7, 8, 9, 10, 11]
Recommendations for 288: [71, 1525, 69, 90, 217, 2348, 2351, 2352, 2354, 2356]
Recommendations for 603: [1, 289, 290, 291, 292, 293, 294, 295, 296, 297]
Recommendations for 714: [1, 712, 713, 715, 717, 718, 1525, 90, 217, 247]
Recommendations for 1525: [288, 1, 710, 714, 603]
Recommendations for 2434: [71, 288, 711, 716, 719, 720, 2348, 2351, 2352, 2354]
Recommendations for 2681: [71, 288, 710, 711, 716, 719, 720, 721, 722, 2348]
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