Transactional dataset

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(plus other info)

E.g. Set of products bought by a customer

in a west to an (online) store

Market Basket Analysis: conveni the analysis

of transactional data, typically four retail world

Transactional dataset In the homework, a transaction counsts of \* Set of products. For each product C description

\* date and time of the transaction \* Customer 10 \* Country who the customer resides Reprisentation: file when each transaction occupies

## Example

4 Transactions: TD1, TI02, TI03, TD4

Trans. W Probable Description Databiline unityred metals

TID1, P1, Pencil box, 3, 2/1/2010 8:45, 0.65, CUST1, France

TID1, P2, Eraser box, 13, 2/1/2010 8:45, 1.00, CUST1, France

TID1, P3, Dvd Batman, -3, 2/1/2010 8:45, 3.15, CUST1, France

TID2,P1,Pencil box,3,4/1/2010 10:05,0.65,CUST1,France

TID3,P1,Pencil box,3,2/2/2010 18:30,0.65,CUST2, Italy TID3,P2,Eraser box,3,2/2/2010 18:30,1.00,CUST2,Italy

TID4,P1,Pencil box,3,21/2/2010 9:55,0.65,CUST3,United Kingdom TID4,P3,Dvd Batman,11,21/2/2010 9:55,0.65,CUST3,United Kingdom

All fields in a row one comme experated

Homework 1: task \* Commend l'in enjurements: - K = # partitions - H = goal is to identify top-Hproducts
by popularity - S = Country (S = "all" => all countries)
- file-path \* Read folo into an ROS of strings (1stry = 1 200)

Homework 1: task \* Compute set of (Product, constons) pairs - Customer from country S and must have bught at hest once the product with positive quentity

- no dust cetes (don't use spenk neether

\* Compute (Product, Propularly) paires

> Hustoners four
privia step

Homework 1: task Report this computation 2 times (=> 2 RODS) - using mephantitions la Peis (maple litions - when reduce by key \* Extract Top-H products band on popularity (if H=0 must prut all products, popularty) ours from the 2 RDD computed bept ) IMPORTANT: Cannot gether together all sous relative to the some product (Too many), but you can assume few sous + (rochit, wits men)