MORGADE. PUTERING REV. LAST TIME BASIC ML CONCEPTS - PEATURE -DISTANCE FUNCTIONS SURERVISED VS. UNSUPGRVISAD > PARAMETRIC VS. NON-PARAM A PEGRESSION VS. CLASSIFIC. LW. REGRESSION FOR CLASS > THRESHOLD PON >20615TIC RGS

DECISION TREE RANDOM FOREST SVM TESTING MI ALG CROSS-FOLD MAG "YALITATION" SETS RMSQ, PREG/REGALL, ACGIR ETC.

## SOLLAB PITERING

CONTENT-BASGT K-NN

WHY K-NN AND NOT SUPERASED WEAR PARAMETRIC APPROACH?

-ONLY KEEPING TRACK
OF WHAT USER
PURCHASED

FIND PRONGTS SIMILAR
TO WHAT USER
IS LOOKIUS AT

ASSN-RULE CF

NEW INDIV:

BOUGHT 1755 9, 6, C

PATA BASE

 $a, b, e \rightarrow 2$  0.9

9, c, 9 -> W 0.87

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W = 4 ITEM = ABFW SEARCH TO PATH 4 > NOTHINE STOPPED XT 3 NGT ITER GO TO PEPH/2 FOUND AB! CHILDREN OF NOTE A ABC (4) AF (5)  $AB \rightarrow C$ AB DE

## MATHX FATOREZATION

HAVE MATRIX 1 USERS X MORES EACH USER VECTOR 15 A SERICES OF RATINGS OR P? FOR EA MOVIE FOR SOME VALUE K (EMPIRICALLY DETERMINED) FINT MATRICES F ANT G ST

TNBGFF

REPICTED RATING MATRIX

REL. MONIC,

TO ATTRIR?

REC.

VSERS TO

ATTRIB