SEMISUPERVISED LEARNING · WE HAVE & LABOUD EXAMPLES (\$\bar{z}', \bar{y}') i=1,_,& · WE HAVE Y UNLABELED EXAMPLES XT YT J=1,...,4 · GOAL: FIND y'! IN REAL-WOULD PLANTING · EASY TO UET DATA · HARD TO UET LADELS HUYE NUNGER OF UNANGED WE CONSIDER PROBLETS
WITH 2 CLASSES WALELED DATA LAB615 {-1,1} PALADIGIT SIMILAL FEATIVESS = SIMILAL LASSUS · DEFINE WEIGHTS WIT -> SIMILLITY RETURNED · LABBUSD EXAMAS i · WALGO EXAMPLE ; -DEPINE WEIGHTS $\overline{\mathbb{W}}_{ij} \to \text{sinilarity Between}$. Whateled examples i, j Saus Plabush • TELT 1: WHATELED EXAMPLES SIMILAL LABELS
TO COUSE LABELED SUBS - TELL 2: SITILAR UNIABLED EXAMPLES GET SINIAR LABBLE ® HOW TO CHOOSE VETYHTS? · USE SOME SIMILLY MEASURE SUSSED ON FEATURES! HOMEWORK 1 (DEADUNG MAY 9 TH) PANDONLY GENERATE A SET OF FOUNTS IN 25 AND QUE LAUGHT TO A SNALL SULSE & OF THOSE POINTS Z CHOOSE A PROPER SIMILARITY MEASULE TO DEFINE WIJ WIJ 3 CONSIDER THE PRODUCT (*) 4 SOUNT PROBUTE & WITH (A) GILDIENT DESCENT (B) BC4D WITH GS RULE COORDI NATE MINIMIZATION FOR (5) USG BLOCKS OF DINGUSION 1 (5) CHOOSE A PUBLICY AVAILABLE DATASET TS AND TEST THE NETHODS ON THIS 6 ANALYTE ALLIERCY US COUTING (PLOTS) () DESCRIBE WHAT YOU DID ON A POF FIVE 3 UPLOAD FILES ON MOOPLE (SEE TILE "HONE WORK") FREE TIPS