SEMISUPERVISED LEARNING · WE HAVE & LABOUD EXAMPLES (\$\bar{z}', \bar{y}') i=1,_,& · VUE HAVE Y UNLABELED EXAMPLES XJ J=1, --, 4 · GOAL: FIND y'! IN REAL-WOLLD PLANTINS • EASY TO UST DAFA
• HARD TO UST LABBLS -> HUYS NUMBER OF WHARED OF WE CONSIDER PROBUEILS WASSLED WITH 2 WASSES DATA LAB615 {-1,1} PALADIAN SIMILAL FEATURS = SIMILAL LASSIS · 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: UNLAYERD EXAMPLET SIMILAR WASSIS

TO COST LABORATOR SUBS - TELL 2: SITILAR UNIABLED EXAMPLES GET SINIAR LABBLE € HOW TO CHOOSE WEIGHTS? · USE SOME SIMILARLY TRACULTS SUSSED ON FRATILES! HOMEWORK 1 (DEADUNG MAY 15 TH) PANDONLY CEVETUTE A SET OF POWTS IN 25 AUD GIVE LABELS TO A STALL SIDSE & OF THOSE POWTS Z CHOOSE A PROPER SIMILARITY MEASULE TO DEFINE WIJ WIJ 3 CONSIDER THE PRODUCT (*) 4) SOUR PHOLIGH & WITH A GILLORENT DESCENT BL4D WITH QUIDANTED RUIS

BL4D WITH 45 RUIS FOR (6)-(C) USG PLACKS OF DIMENSION 1 (5) CHOOSE A PUBLICY AVAILABLE DATASET TS AND TEST THE NETHODS ON THIS @ ANALYTE ALLYPING (PLOTS) () DESCRIBE WHAT YOU DID ON A POF FILE 8) PUT FILSS ON GITHUS FOLLOWING INSTRUCTIONS ON INDOUS FREE TIPS