Week 1 : Data Analysts meet ? The Six Data Analysis Phase 1) Ask - to define a problem to be solved. - to help focusing on the actual problem and avoid any distractions. - to make sure you fully understand the stakeholder's expectations. 2) Prepare - what metrics to measure? - locate data in your database. - create security measures to protect that data (policy agreement) 3 PHOLESS - to clean up your data (get rid of possible errors, inaccuracies, and inconsistencies) - to use spreadsheet functions to find incorrectly entered data. - to use sol functions to check for extra spaces. 4) Angly ze - to perform calculations. - to combine data from multiple sources. — to create table with your results. s) Share - to make more informed decisions via Graphs or Dashboards - to share results with stakeholders. 6) A (+ - to act on your data. - to provide your stake holders with recommendations based on your findings. Six Problem Types Data Analysts typically work with these: (1) Making Predictions Carrot -> Vegetable 2 Grandizing things - assigning items to categories 3) Spotting oth. unusual & (4) Identifying themes - grouping them into broader themes (In a user study, examples of Discovering connections (6) Finding Patterns \* JMART QUESTIONS \* Asking questions that's JMART Avoid asking questions that: 🗸 J (Specific) × close-ended Questions M (Me asurable) Vague & Lacks content A (Action-Oriented) - encourage thange Leading Questions ??? R (Relevant) ▼ T (Time-bound) → specify time to be studied. SMART

