. The y, octcome, or dependent variable · Target Variable · Tre "Unknown" · what we are trying to predict Data Visualization. 1) Explores data + understanding C) Communicates to others · Data Policy (security Policy) Data hovernance : Storing, managing & processing data in a distributed enviornment Questions DS CAN ANSWER Regression - How many or now much? Classification = 15 this an observation A, or B, or C e+c? Clustering - What grouping s/ relationships exist in the data already? Time Series Analysis - whats our next likely outcome? Anomoly Detection: Is this weird? Data Science End to enel Pipeline Left to right · Data > · Information > . Knowledge > . Intellegence Process raw data use data to into useable into describe/understand Process raw data use data to ionerated w/ great Predict future events in order selocity from a to drive present to be stored, streamed, and explain arge variety of actions or may be a by brid past events ovices Action Enable users to take action through accessable

Data Goal:
- Clearly define your goal (write it down) Planning - Measures of success, and plans on how to achieve that Deliverable. - Documentation of your goal - If you haven't defined success, you won't Know when you have achieved it How You het There: By answering questions about the final Product & formulating or identifying any initial hypotheses. Acquisistion - AXA : Para guthering Goal: "create a path from original Data Urangling data sources to the environment Prep in which you will work w/ the data Deliverable. A file, acquire. Py, that contains the function(s) needed to reproduce the acquisition of data

How to get
There: SQL: Clean-up, integration, aggregation or
omer manipulation of data in the
Pylib: Pandas

May use Spark and/or Hive when acquiring data from a distributed endiornment such as HDFS.

· RDBMS · HDFS · Static local flat files (csu, tatixls