- 1) why Data Cleaning is important
  - a) See Instances are proper
  - b) dabels: Of variables being fredicted (If Someone labeled it corray in training it affects also
  - c) Algo: The algo you was affects mo gives results borred on available of
  - d) Features: Proper feature data is inp for good prediction/clossity
  - e) Model: Model itself assumes this date is for real world

gorbage -in -> garbye -out

Main Problems

- -> Lack of Data
- Too much data
- Bad data
- 1 How Can Data be Messy ?
  - a) Puplicate data -> addi weighth
  - -b) Inconsistent text Etypas
  - -d) Outliers few values dominate over other values by Large amount
    - e) Getting data from Multiple Sources like DB, cloud etc and

when talking together abt them might create his mates

LA Its Sugrestable to have a look to the date & filter diplicates

Remove - You an cleans it quick but sometimes you might lox good into and make it biased

Impate - Replace value with mean (or) median

Mask + Greak a Glegory for missing data

To find the suse plots (Histogram, Pensity plot Box plot Statistic (Bosphots Infor Druarfile Rayse, Standad period Rasiduls (standar itel peted standard red

Data cleaning is very important part before training by analyzing your data. With a currony date, you get analyzing your data. With a currony date, you get and comony insights and Cont fatfill your task although comony insights and Cont fatfill your task although comony insights and Got grobust. Governous in Governous actions and good grobust.

that what to check for cleanlines

- 1 Ublidity
- 2 Accuracy
- 3 Completenes
- (Onsistance
- 3 augtornit

How to check

- 1) Inspect date

  Ly Using Nata Profiling Evisualization find if dat

  is proper (or) not: Duthous are there (or) not

  is proper (or) not. Data is missing (or) not

  Data is skewed (or) not. Data is missing (or) not
- 2) clean data

  1) Next Important Part is cleaning. It for
  example date is missing. you an either del
  example date is missing. you an either del
  example date is missing. You statistical
  the now (or) fill the value winy
  the now (or) fill the value winy
  retrods. In general It date is not knewed "mean's
  nethods. In general It date is not knewed mean's
  retrods. In general It date is not knewed mean's
  reflerred.
  Preferred.
  Preferred.
  Preferred.

  Remove out liers. Sometimes out hers also might ark
  good information. Need to analyte & teke builting

3 Verify It the is cleaned or) not often you clear it

PREPORT

Find the reason for setting bad dote. If you can confind the Source of Problem. You can prevent next observations to be noisy.

prevent next condenstand better about to Dot.