5 V’s BigData

🡪Volume

🡪Variety

🡪Velocity

🡪Veracity

🡪Value

Volume

🡪Amount of data generated every second’s is called volume.

🡪It helps to measure whether the data is called bigdata

🡪Also helps how much value can be measured through data being generated.

Eg : In an ecommerce tuts when a user is studying some notes through their website, the login page pops and user fills the data the data is generated and at real time many users could generate their login at that time through which volume of data is estimated and called to be big data.

Velocity

🡪How much fast data is being generated.

🡪How much fast data is moved these can be termed as velocity of data(BigData).

Eg In real time when the information /history needs to be seen by user and takes few seconds we say server problem would be their but its velocity is slow or a game application like pubg where real time shoots is being captured and when user cant see the shoot they termed it as lag which technically means velocity is too slow.

Variety

🡪What type of data is your data ?

🡪Whether is structured data, unstructured data or semi structured.

🡪Unstructured data are real time objects ie images audio video

🡪Semi structured are combination of unstructured and structured data ie json,log file or some format files.

🡪Structured consists of integer,float,decimal,varchar1/2,datetime etc.

Veracity

🡪How much data is consistent or trustworthy

Value

🡪The data generated must have some value otherwise its useless to generate terabytes of data per day. The raw data could be processed to find some meaning values to its which helps to take business decisions.

Eg Youtube data is generated by what user search ,this data is processed and could gets the value of recommendation process to users. The value of searched data increases much higher.