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Q. What is Big Data?

→ (A) Intro.

(1) → 40^x bytes of data → generated every day/month by Smartphone
[Text, audio, Video

50 Users → 40 X 5

(B) Data generated per minute :

Snapchat
Snap → 2.1 Millons Snap Sent.

Google → 3.8 Millons Seaches.
3.8M

facebook → 1.1 Millon

▷ → 4.5 Millon Videos Watched on Youtube

@ → 118M Emails Sent.

(C) Classification of Big Data : ?

Concept of 5 V's

- Volume
- Velocity
- Variety
- Versacity
- Value.

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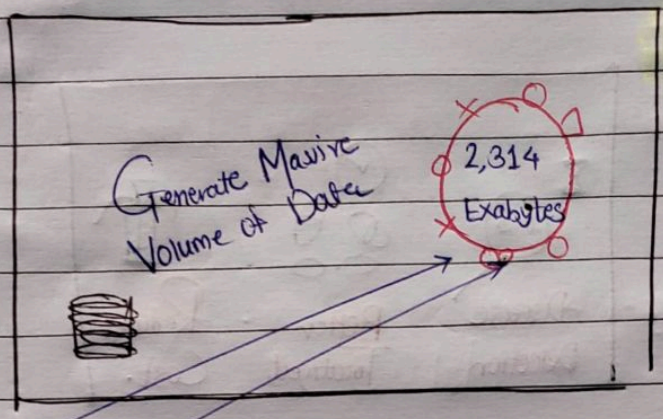
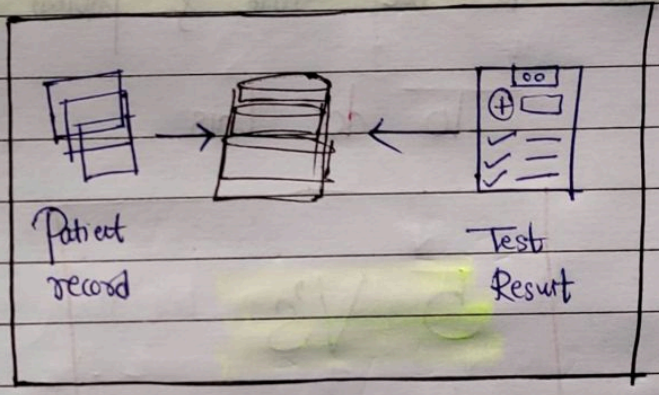
① Volume :

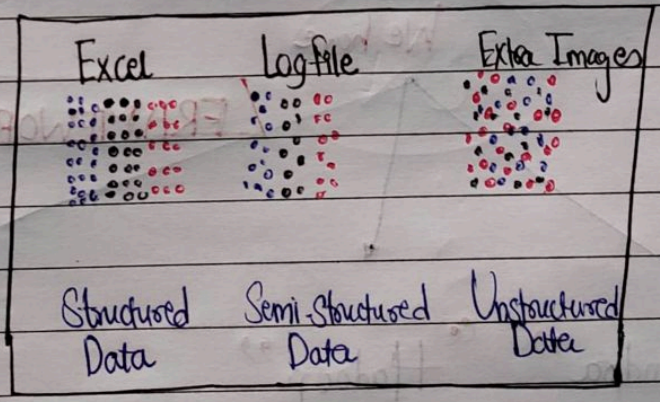


Clinic & Hospital generate lot of Data

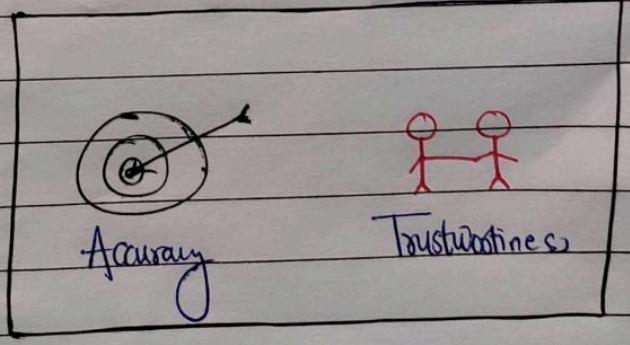
② Velocity



③ Variety



④ Varacity



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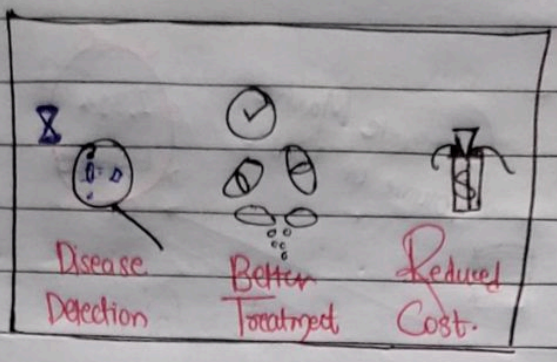
⑤ Value



⑥ But how do we Store & process this data?

To do this

5 V's

We have

FRAMEWORKS

"Cassandra" "Hadoop" "Spark" "Apache ☆"

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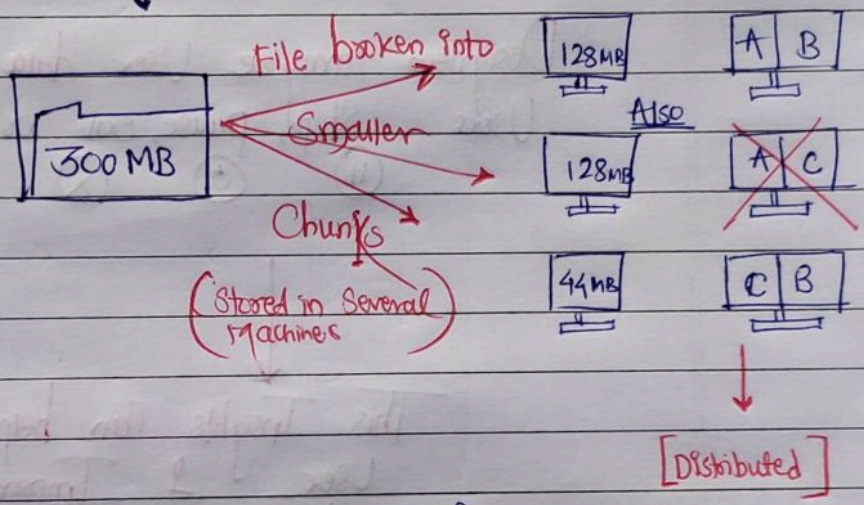
Let's See How it Stores & proces the Data!

Eg: Hadoop

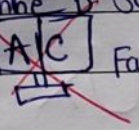
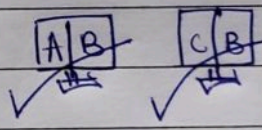
↳ It Uses distributed file System Known as "Hadoop distributed File system"

↓

To Store Big Data.

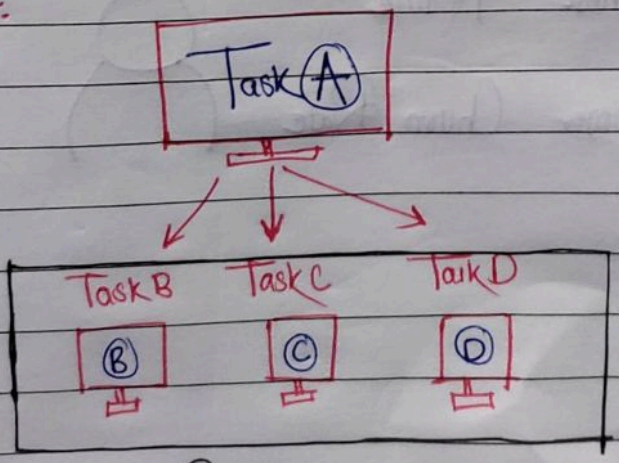


↳ Even if One Machine fails other Machine is Safe ... ✓

Eg  Fail But  Works

Map Reduce technique is Used to proces Big Data.

Eg:



• Parallel Porcesing •

↳ Fast Porcesing Easy

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Now We Stored & Processed Big Data
↳ We Can Analyze Data for Various Application.

(1) Application of Big Data

Game: ↳ Call of Duty.
↳ Halo 3

Designers analyze User data at Which place/time Users Stop, pause, exit or Restart
(11) (↻) (X)

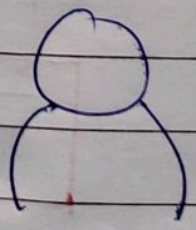
↓

This Insights Can help them to Understand User & Improve the User Experience

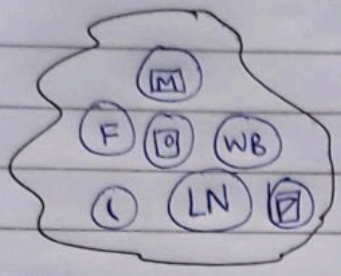
Ux

↓

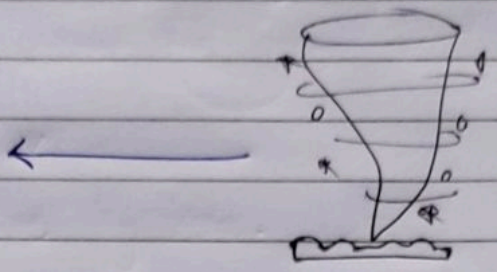
All these Reduce Customer Churn Rate.



(F) Disaster Management:



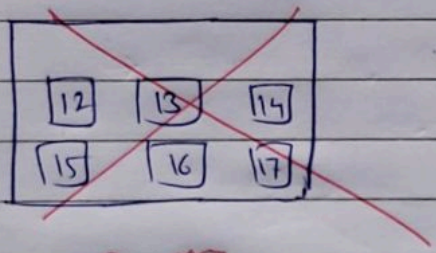
"Big Data"

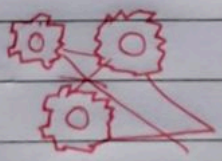


"Hurricane Hurricane Sandy 2012

Necessary Measure we taken

It Could predict hurricane's landfall five days in advance which wasn't possible earlier





"Processed & Analyzed"

Q. What is Big Data?

→ (A) Intro.

(1) → 40^x bytes of data → generated every ~~day~~ month

[Text, audio, Video

5 Vsuss → 40 X 5

(B) Data generated per minute :

Snapchat

Snap → 2.1 Millons

Google → 3.8 Millons

3.8M

facebook → 1.1 Millon

▷ → 4.5 Millon

REDMI NOTE 10 | A$@U®U©®£@T!OП