

Challenges with Big Data

Data Storage & Processing

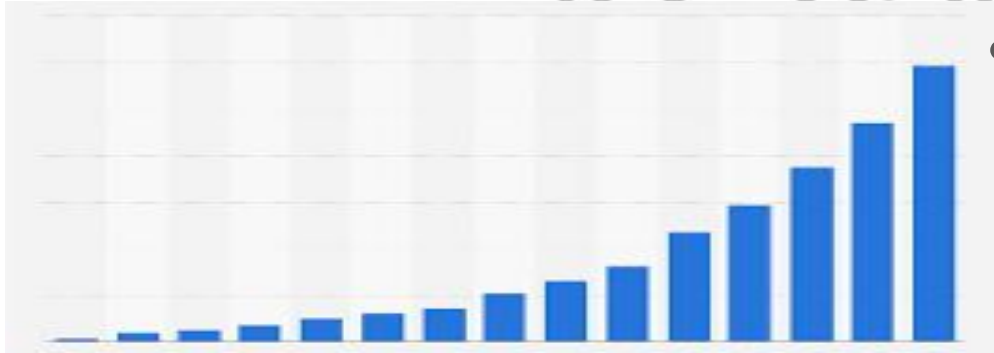


Analytics
Vidhya

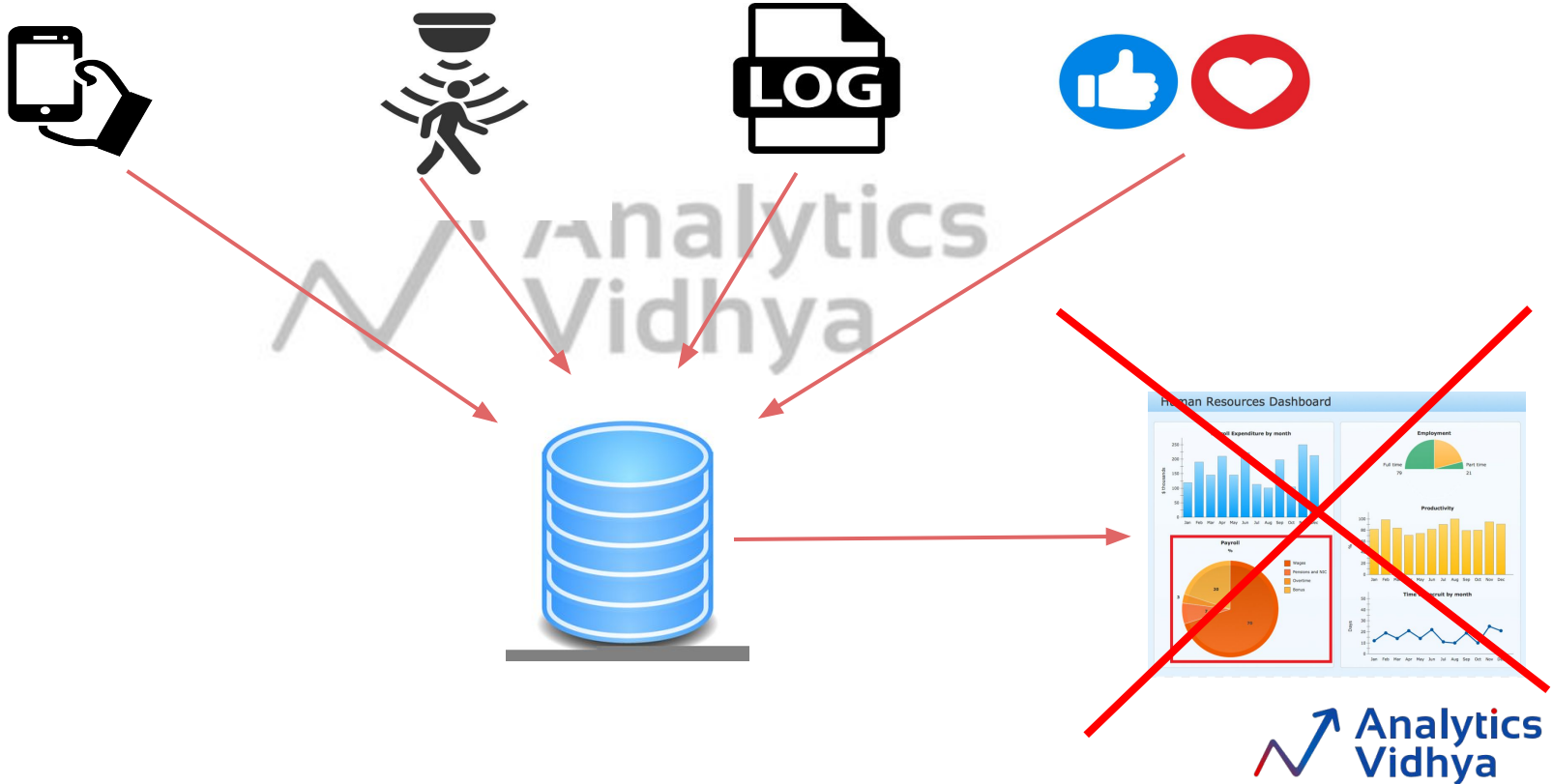


Data Storage & Processing

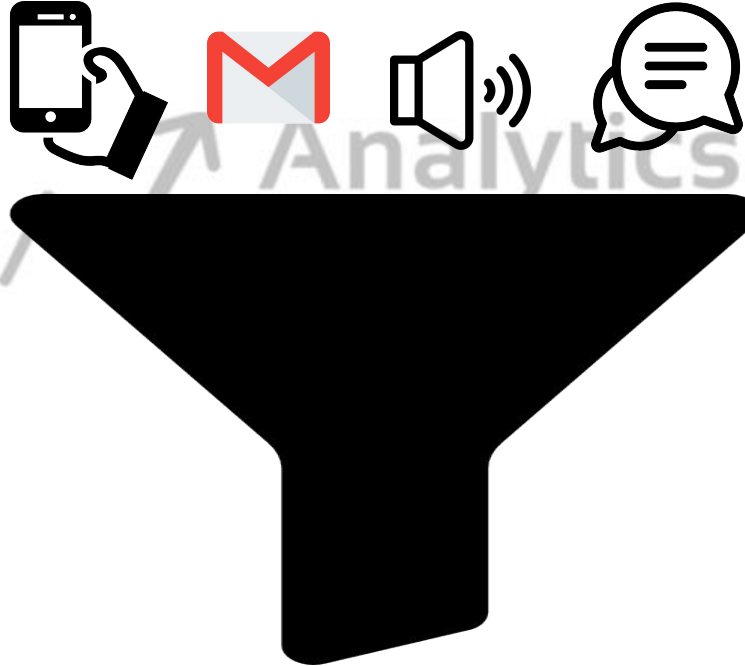
90% of the world's data was created in last 2 years.



Dealing with High Velocity of Incoming Data



Integrating data from multiple sources

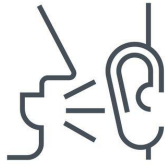


DD/MM/YY
12/09/07

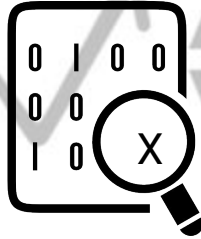
MM/DD/YY
09/09/07

YY/MM/DD
06/06/06

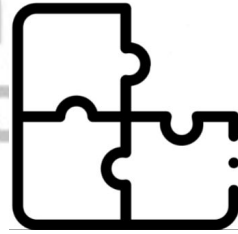
Managing Big Data Quality



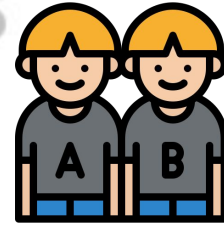
Reliable
data



Outliers

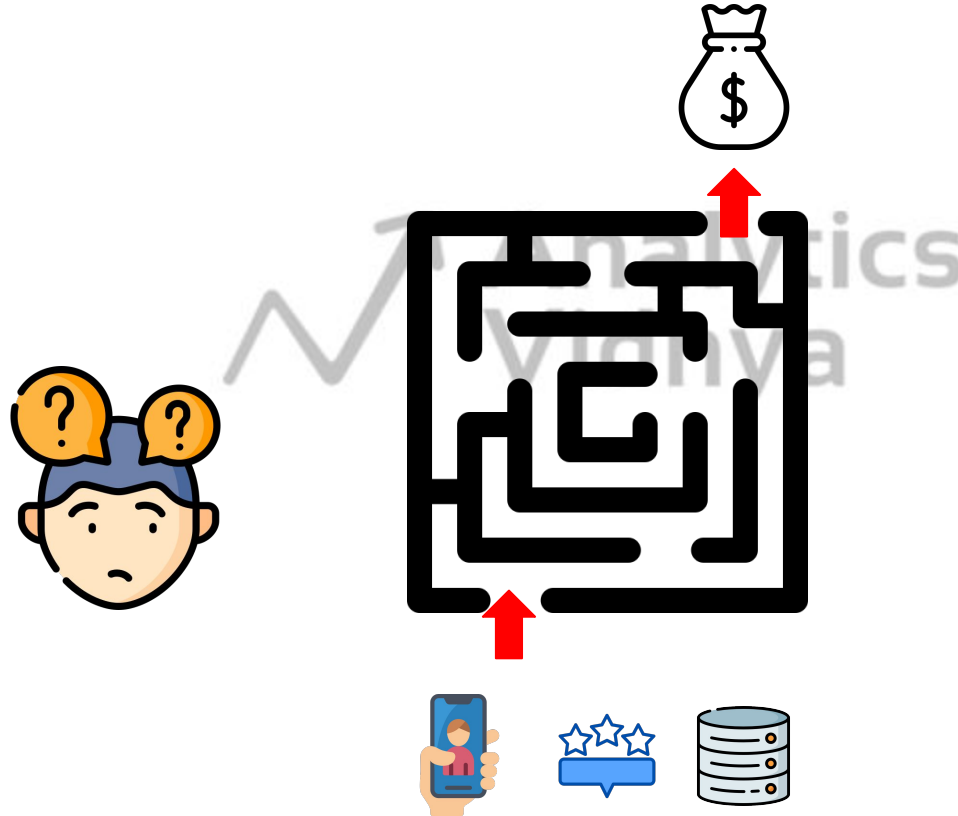


Missing
data

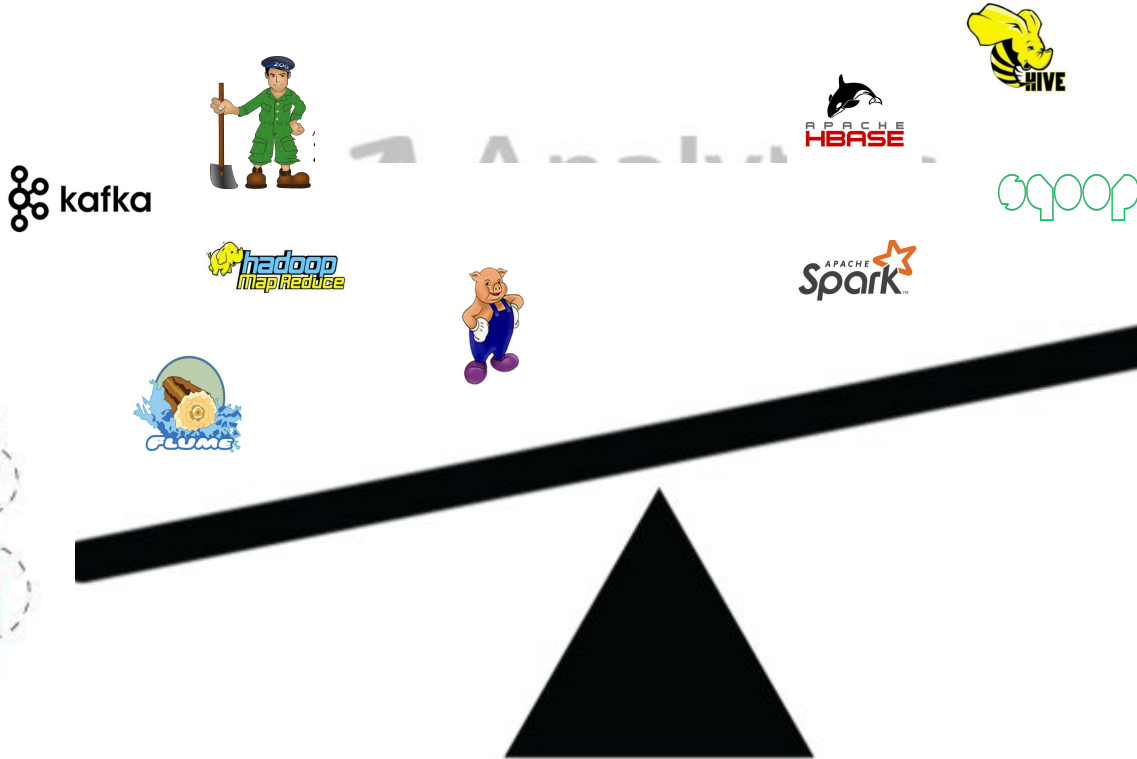


Duplication

Generating Value from Big Data



Selection of Big Data Tools



Lack of Big data Professionals



Lack of Big data Professionals

| | Open Positions* | Candidates** | Number of candidates / open positions |
|-------------------|-----------------|--------------|---------------------------------------|
| Data Engineer | 16022 | 40645 | 2.53 |
| Data Scientist | 20756 | 98935 | 4.76 |
| Big Data Engineer | 1736 | 4300 | 2.47 |
| Web Developer | 27098 | 292830 | 10.8 |
| Marketing Manager | 15253 | 820534 | 53.79 |

* LinkedIn job search results for the following keywords in exact match: "data engineer," "big data engineer," "data scientist" in Geography: United States. All searches made on 02/20/2020.

** LinkedIn Sales Navigator search results for the following keywords in exact match: "data engineer," "big data engineer," "data scientist" in Geography: United States. All searches made on 02/20/2020.

Challenges with Big Data

- Data Storage and Processing
- Dealing with High Velocity of Incoming Data
- Integrating data from multiple sources
- Managing Big Data quality
- Generating value from Big Data
- Selection of Big Data tools
- Lack of Big Data Professionals



Thank You !!