T/F/S/SU/	
Big data ma	Date
Neek 4: Data modeling and manage	met
tom -	· ·
what is true b+n dos	
the datas	1.110 HOIMOHTING
JULU CIORDO	
The data doesn't mecessiarily need to way that represents the data model.	be formatted in
it can be extrapolated.	JUST 30 long as
2- What is streaming? → Utilizing	
Thiszing real time data to compute state of an appropriate	and change the
app commuously.	
Vide	
Data Model VS Data Format	
serialized representation of data	and
CSV doesn't mean Relational.	Di data challenges
What is data stream.	Big data challenges
uu- siicuii	velouty
-> key characteristics of a data str	
-> requirements of streaming do	
-> Recognize the data streams	you we
in your life.	
> social Media: - sales Trends + s	cales Distribution
Data-dni	ien Marketing
monitoring and Fault Detection	
on. A possibly unbounded sequence	of data record.
- Time-stapped	men or may parily
-> Geo-tagged	be related
Clever men are good, but they are not the bo	

streaming Data changes or w size + Frequency M/T/W/T/F/s/su/ # changes can be periodicale sporadic i) periodic : evenings, weekends ii) sporadic: major events (Breaking News) Example of extreme changes: World Records for Tweets · size - unbounded · Size and frequency - unpredictable · processing -> Fast and simple video 4: Understanding Data Lakes -> Describe how data lakes enable batch processing of streaming data schema-on-write <u>us</u> schema-on-read -> Organizes data stream, data lakes and data werehow on a spectrum of big data management and storage > click-streums What is Data Lake? -> social-media sensor data Geo Location sales transaction tow Data Lake Works!-Load data from source store raw douta Add data model on read Priority