Post your questions below

⇒ ASMA PARACHA 3/18/24 2:18PM

What are the main differences between transactional and analytical data? Provide examples for each.

Q7

Anonymous 3/18/24 3:51PM

Transactional data contains information on transactions, listing purchases and prices and perhaps the date and customer. Transaction databases are designed to be fast to handle multiple entries every day.

Analytical data is data from the past, aggregating lots of information to find trends.

Anonymous 3/18/24 3:56PM

Transactional data is constantly changing, where as Analytical data rarely changes.

Anonymous 3/18/24 3:57PM

Based on the differences you have mentioned how is data governance differes between these two types of data?

Anonymous 3/18/24 4:15PM

transactional data focuses on real-time operations, while analytical data enables historical analysis and insights

Anonymous 3/18/24 4:16PM

Transaction highly concurrency and optimization, data consistency

Anonymous 3/18/24 4:17PM

Analytical secure storage, clean and complete data encryption

Anonymous 3/18/24 4:19PM

transaction: constant changing and usage, need controls in place

analytical: needs secure storage/encryption, make sure of data integrity and availability

How can you ensure effective data governance during the processing phase?

 Ω 3

Anonymous 3/18/24 4:44PM

The processing phase is the phase where the collected data is handled and transformed after collection. We can ensure effective data governance with data minimization techniques such as only processing necessary data, and omitting unused or PII data.

Anonymous 3/18/24 4:46PM

using template, more than often those with data entry position is not aware of all the rule/policy. so it better to go with template and example for them to follow

Anonymous 3/18/24 4:56PM

Data lineage Data quality Data classification Meta data management

ASMA PARACHA 3/18/24 2:44PM

What are the key security and privacy concerns associated with cloud data storage?"

Anonymous 3/18/24 3:50PM When stored on the cloud, a third party has access to your data, and it can pose more risks.									
Anonymous 3/18/24 3:52PM									
But how are you going to deal with that risk?									
Anonymous 3/18/24 3:53PM The first thing you should do is to choose a reliable cloud service platform that follow data governance policies. You can also add a layer of protection to your data by encrypting it.									
Anonymous 3/18/24 3:54PM Encryption at the time of storage as well as processing time.		ŀ				÷	÷		ŀ
Anonymous 3/18/24 3:55PM									
Yes									
Anonymous 3/18/24 3:55PM Cloud storage is outside your control and your are sharing resources with third parties.									
Anonymous 3/18/24 3:56PM Is it better than on-premise storage? how?									
Anonymous 3/18/24 4:00PM	-								
Cloud storage is better than on-premise storage because it leverage location limitation, it allows more computation power, it provides the ability to discover label and catalog items, it also						÷			
simplify monitoring and visualization with dasboards.									
Anonymous 3/18/24 4:21PM I was thinking about AWS services such as CloudWatch that									
provides dashboard									
Anonymous 3/18/24 4:24PM Availability of different types of tools by the cloud provider such									
as data governance, monitoring and security tools.									
ASMA PARACHA 3/18/24 2:47PM Explain identity based control.				-					
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Data usage: identity based control Dota storage: data encryption Data archiving: establish archiving policies		Data processing: data encryption									

	Data purging: define clear data rentention schedule based on legal requirements and needs							
\hookrightarrow	ASMA PARACHA 3/18/24 3:07PM							
	Different types of monitoring							
	Ω 3							
	Anonymous 3/18/24 3:57PM Data Quality Monitoring, Usage and Access monitoring, Compliance Monitoring, Performance monitoring							
	Anonymous 3/18/24 3:58PM Can someone elaborate on each one of the above listed monitorings?							
	Anonymous 3/18/24 4:47PM Data quality monitoring is checking the quality over the lifecycle	٠			٠			
	of the data. If the quality decreased, where did it start decreasing? Data usage and access monitoring helps you keep							
	track of who has accessed the data and whether they should have that privilege or not. Compliance monitoring is about checking whether the data follows the relevant compliance. I							
	think performance monitoring comes down to data quality monitoring							
\ominus	ASMA PARACHA 3/18/24 3:07PM							
	Data governance process							
	Ω1							
	Anonymous 3/18/24 5:08PM Define business objective							
	identify datas in the process lay out data governace framework							
	implement data control monitoring/maintaining							
\ominus	ASMA PARACHA 3/18/24 3:10PM							
	How to maintain and measure data quality ?							
	○ 5							
	Anonymous 3/18/24 4:01PM Audit actions on data.							
	Perform cleaning and preprocessing, checking for and handling missing values and outliers.							
	Have standards that are upheld.							
	Anonymous 3/18/24 4:11PM How can we measure the quality?							
	Anonymous 3/18/24 4:12PM Techniques for maintaining ?							
	Anonymous 3/18/24 4:31PM							
	Accuracy Completeness Timeliness							
	Easily affected by outliers Source trustworthiness							
	Anonymous 3/18/24 4:31PM Scorecard							
	Prioritization Annotation	ì			ì			
	Profiling Deduplication							
	Outliers Lineage tracking	٠			٠			
	Completeness Merging datasets							

\hookrightarrow	ASMA PARACHA 3/18/24 3:12PM											
	Discuss the role of people in data governance.											
	Q 4											
	Anonymous 3/18/24 4:11PM											
	Data owner, Data steward, Data analyst, Legal, Privacy tsar, Business analyst, external auditor, Csuit											
	Anonymous 3/18/24 4:38PM Why and how are they relevant to DG?					-						
	Anonymous 3/18/24 4:50PM											
	People are responsible for data governance. Data owners are those who own the data. Data stewards ensures the quality and accuracy of the data, the data analyst and business analyst											
	manipulate and get insights from the data, legal, privacy tsar and the rest are mostly linked to the legal aspect	-										
	Anonymous 3/18/24 5:02PM people,process, tools											
□	ASMA PARACHA 3/18/24 3:12PM											
	What are some common risks in the data life cycle?											
	Q 12											
	Anonymous 3/18/24 3:53PM											
	Data quality issues, security breaches, privacy violations, data loss											
	Anonymous 3/18/24 3:56PM How can we mitigate these issues ?											
	Anonymous 3/18/24 3:58PM Establish data quality standards, conduct regular data audits, and implement validation checks to ensure data accuracy.											
	Encrypt data at rest, assign access controls based on roles to protect data from unauthorized access, theft and exposure.											
	Anonymous 3/18/24 3:59PM Create clear data governance policies, roles and responsibilities		•	•	•		•	•			•	
	Anonymous 3/18/24 4:14PM Some common risks in the data life cycle unauthorized access, data loss. It can be prevented with regular audits and backups.											
	Anonymous 3/18/24 4:27PM											
	stages in the data life cycle: Anonymous 3/18/24 4:27PM											
	data creation											
	Anonymous 3/18/24 4:27PM data processing											
	Anonymous 3/18/24 4:27PM data storage											
	Anonymous 3/18/24 4:27PM data usage											
	Anonymous 3/18/24 4:28PM											
	data archiving and data destruction											
	Anonymous 3/18/24 4:30PM data life: how long you have to store the data and the proper disposal of that data is very important and a neglected issue.											
	ASMA PARACHA 3/18/24 4:05PM											
	Discuss the privacy and ethical implications											
	of data used in AI versus ML models.											
	Ω 0											