DSA 8404

Lesson 5: BA at the Analytical and Data Warehouse Level



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Establishing New Business Processes



Lead and lag information

- Lead information is information or knowledge that is necessary for even beginning our new business activities.
- Lag information let us monitor if we reach the strategic target



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Recap...

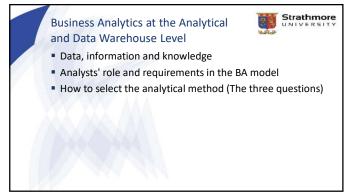
 The Rockart model to describe the relationship between the objectives as defined at the strategic level and the new processes with the subsequent information needs.

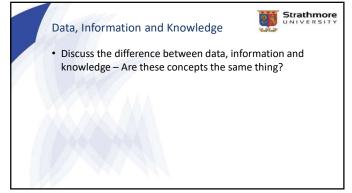


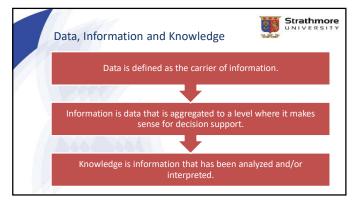
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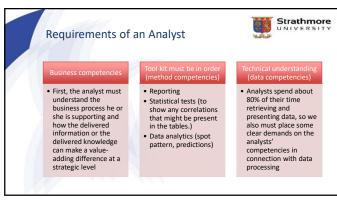


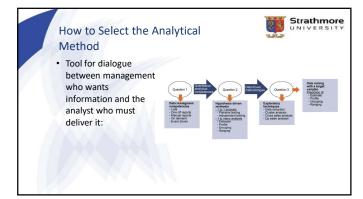
Optimising Existing Business Processes • The model focuses more on the lag information by collecting and analyzing it to understand correlations to be able to improve processes in the future. • The model uses lag information to create lead information (maybe learning loops)

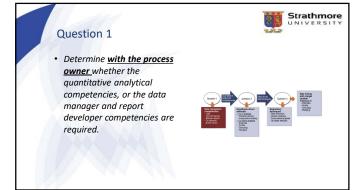


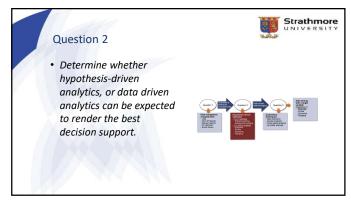












Question 3

· Determine whether the datadriven method has the objective of examining the correlation between one given dependent variable and a large number of other variables, or whether the objective is to identify different kinds of structures in data.



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Question 3

- · Data reduction
- Cluster analysis
- · Cross-sell models/basket analysis
- · Up-sell models



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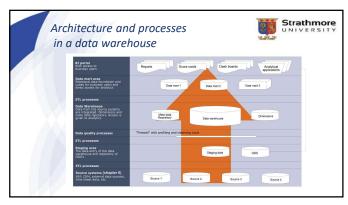
Choose appropriate analytical method for information wheels



- · Exercise: What is the method?

 - HR wants to optimize their future hiring process by using analytics. As analyst you shall help them choose appropriate analytical methodologies for their information wheels
 HR wants to compare the new sales managers performance with the 'old' sales managers performance
 HR wants to identify a profile of a successful sales manager
 HR wants to identify if there is a correlation between salary and sales results
 HR wants to identify a good 10-year carrier path for the new sales managers
 HR wants to know the average sales manager's historical sales result

Which of the above questions/answers are lead information and which are lag information? Which of the above questions/answers belong to the information domain and which belong to the knowledge domain?

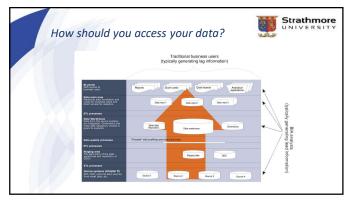


Recap on DW concepts....



- What are dimensions and how can you use them? Examples?
- What are metrics/facts? Examples?
- What does an ETL job do? Examples?
- What does 'data quality' mean and why is it important?

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Next Week...



- Given a business case, describe the process of identifying, collecting, cleansing, and organizing the data required for a solution.
- Given a business case requiring the analysis of large and rapidly changing datasets, discuss the roles in implementing a solution.

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