

MASTER UNIVERSITARIO IN ANALISI DATI
PER LA BUSINESS INTELLIGENCE

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Titolo della tesi:

Analysis from a Data Vault Modeling point of view of Logical Data Model for Vodafone Germany Single Frame of Business Intelligence.

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Abstract

The purpose of the work is to analyse Vodafone Logical Data Model (LDM) -implemented in Vodafone Germany within the Single Frame of Business Intelligence project- from a Data Vault (DV) modeling perspective.

Before starting the analysis a description of Data Vault modeling will be provided; then similarities and differences will be evaluated between Vodafone Logical Data Model and Data Vault modeling. Finally major aspects, which make the Vodafone Logical Data Model deviate from DV guidelines, will be investigated from a business requirement point of view.

At the end of analysis it will appear how many contact points exist between Vodafone LDM and DV modeling and that some irreducible differences exist that make Vodafone LDM deviate from DV. Both Vodafone LDM and DV modeling share the same goals of flexibility, scalability, adaptability and complexity reduction and go in the same direction in terms of entity separation, raw data loading and delta driven loading. Nevertheless, they adopt very different approaches in order to make the model flexible and adaptable.