

# **IST 722 - Data Warehouse**

## **Homework Assignment 3**

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**Topic:** High-Level Dimensional Modeling

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## Table of Contents

<b>1</b>	<b>Overview</b>	<b>3</b>
1.1	Goals: .....	3

## Homework Assignment 3

## 1 Overview

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High-level dimensional-modeling process, the goal of this process is to turn functional business requirements into dimensional data warehouse (DDS) specifications based on the Kimball technical architecture. Upon completing this lab activity you learn:

- Additional ways of profiling data using the SQL Query language as to identify master data and business processes
- The process of high-level dimensional modeling, including:
  - Create a high-level dimensional model diagram (Kimball: Figure 7-3, p. 304)
  - Create an attribute and metrics list (Kimball: Figure 7-2, p. 294)
  - Keeping track of issues

### 1.1 Goals:

Specifically the goals of this assignment are to:

- Understand the goals of the high-level dimensional modeling process and practice its steps
- Master the act of profiling data and transforming functional requirements into a technical specifications for a Kimball (DDS) data warehouse architecture
- Understand the value of the high-level modeling worksheet as a technical documentation tool, which can be later used to determine how to properly build tables in our DDS

Homework Assignment 3

## 2

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