

FERM509 – Big Data Management

Assignment 1

Instructions: Use DBDesigner.net (<https://www.dbdesigner.net/>) to create a data model and generate a SQL DDL Script file for the Financial Dataset provided at PKDD'99 (Principles of Data Mining and Knowledge Discovery Conference at Prague in 1999). The dataset and the metadata can be found at: <https://sorry.vse.cz/~berka/challenge/PAST/>.

- “Financial data description” tab
 - “Original data download” tab
1. Download the dataset and read the metadata descriptions. Identify the entities, data types and relationships between entities.
 2. Use modelling tool to Create a Physical Data Model for SQLite Database. First create entities and specify Primary Keys. Then add other attributes. Make sure to check the data and select an appropriate data type.
 3. Create relationships taking the Foreign Key columns specified in the metadata into account.
 4. Use Generate DDL Script from Model Menu to Create SQL DDL Script to be used in later assignments.
 5. Export the model you created as an image. Check that you see your model as expected.
 6. Load generated SQL script and image file to LMS (<https://lms.ozyegin.edu.tr/>) assignment section.