**IST 659: Data Administration Concepts and Database Management**

This sub-folder contains the deliverables for the project completed in course IST 659. The goal of this project was to solve a data management problem of the student’s choice. For my project, I decided to manage data for the NHL Stanley Cup Finals which is a seven-game series between the best two teams in the NHL for the championship.

**Files**

1. IST659+Project+Description.pdf

* Contains the requirements for the IST 659 project.

1. Tim\_Cordero\_IST659\_Project.pdf

* Contains the final report of the entire scope and work done for the project.

1. NHLData.xls

* Contains the data that was used to build the database and solve the data management problem.

1. DDL.sql

* Contains the Data Definition Language of the database, which creates all the tables in the database.

1. DML.sql

* Contains the Data Manipulation Language of the database, which inserts the data into the database. The data was imported from the excel file into staging tables. From the staging tables, the data was inserted to the corresponding table.

1. Selects\_&\_Programming.sql

* Contains the functions, vies, and select statements to answer business questions of the project.

1. Project\_Conceptual.png

* Contains the conceptual model of the database.

1. Project\_Logical.png

* Contains the logical model of the database.

1. Project\_UI.accdb

* Contains the front-end portion of the project to display reports and create editable forms for data manipulation.

**Software**

1. Excel
2. Microsoft SQL Server Management Studio
3. Microsoft Access