CSE 477: Data Mining

Assignment 01 (Basics on Data Mining)

Student ID:	Student Name:

Answer the following questions.

Q1. What is data mining? Describe using your own words. Do not provide the definition in the textbook.

Q2. Describe the steps involved in data mining when viewed as a process of knowledge discovery.

Q3. Define the following data mining functionalities such as characterization, discrimination, association and correlation analysis, classification, regression, clustering, and outlier analysis. Give examples of each data mining functionality, using a real-life database that you are familiar with. Be specific as much as you can while providing examples.

Q4. What are the major challenges of mining a huge amount of data (e.g. billions of tuples) in comparison with mining a small amount of data (e.g. a few hundred tuples)?

Q5. "Data mining is a multidisciplinary field" - Justify the statement.