Data Mining Assignment 1

Identify a problem from your own experience that you think would be amenable to data mining. For that problem describe:

1. What the data is.

The data is about the shopping of my house.

2. What type of benefit you might hope to get from data mining.

From the data mining, I would at least know on which product i am spending more money, I would also get to know how much I am spending for one-time shopping and how can I reduce the money spend. I will also know when buying one item, which item is frequently brought together.

3. What type of data mining (classification, clustering, etc.) you think would be relevant.

Association rule mining would be more relevant because Association rule mining is a procedure which aims to observe frequently occurring patterns, correlations, or associations from datasets found in various kinds of databases such as relational databases, transactional databases, and other forms of repositories.

4. Name one type of data mining that you think would not be relevant, and describe briefly why not.For each, illustrate with an example, e.g., if you think clustering is relevant, describe what you think a likely cluster might contain and what the real-world meaning would be.

Regression wouldn’t be relevant because Regression analysis is a reliable method of identifying which variables have impact on a topic of interest. Regression analysis is widely used for prediction and forecasting.