

University of Ottawa

CSI4142 Introduction to Data Science

Crowd-sourced Pricing Data Mart

Marking Guidelines

Group members

Name and Student number: _____

Name and Student number: _____

Name and Student number: _____

<u>Physical model [10]</u>		
- All the tables created		4
- Use of surrogate keys		3
- Referential integrity enforced		3
<u>Data staging [20]</u>		
- Data quality assessment and handling duplicates		5
- Staging of Dimensional Tables (data loaded into dimensions)		5
- Staging of Fact Table (data loaded into fact, i.e. keys and measure)		5
- One page high level schematic document		5
<u>OLAP Queries [30] and Dashboard [20]</u>		
- Comparisons: products, cities, countries, days of the week, months, etc.		10
- Timelines: show product prices over time, comparing two product prices over time per city, per country, per month, etc.		10
- Ability to Roll Up, Drill Down, Slice and Dice		10
- Graphs and/or Charts		10
- Usability, Stability and General impression		10
<u>Association Analysis [20]</u>		
- data preprocessing		5
- model construction and evaluation		10
- knowledge discovered		5
<u>Classification [20]</u>		
- data preprocessing		5
- model construction and evaluation		10
- knowledge discovered		5
TOTAL		100

*It is possible to obtain a mark of 120 out of 100.