

**University of Ottawa**

**CSI4142 Introduction to Data Science**

**Canadian Disaster Data Mart**

**Marking Guidelines 2018**

**Group members**

Name and Student number: \_\_\_\_\_

Name and Student number: \_\_\_\_\_

Name and Student number: \_\_\_\_\_

<b>1. <u>Physical model [5]</u></b> - All the tables created - Use of surrogate keys - Referential integrity enforced		<b>1</b> <b>2</b> <b>2</b>
<b>2. <u>Data staging [25]</u></b> - Data quality assessment - Handling missing values and data cleaning - Handling of city, provinces and regions - Staging of Tables (data loaded, facts, measures) - One page high level schematic document		<b>5</b> <b>5</b> <b>5</b> <b>5</b> <b>5</b>
<b>3. <u>OLAP Queries [25]</u></b> - Roll Up - Drill Down - Slice - Dice - Top N or Bottom N		<b>5</b> <b>5</b> <b>5</b> <b>5</b> <b>5</b>
<b>4. <u>BI Dashboard [15]</u></b> - Graphs and/or Charts - Usability, Stability and General impression		<b>5</b> <b>10</b>
<b>5. <u>Classification [15]</u></b> - model construction and evaluation - knowledge discovered		<b>5</b> <b>10</b>
<b>6. <u>Cluster analysis [15]</u></b> - model construction and evaluation - knowledge discovered		<b>5</b> <b>10</b>
<b>7. <u>Anomaly detection [15]</u></b> - model construction and evaluation - knowledge discovered		<b>5</b> <b>10</b>
<b>8. <u>Extras:</u></b> Adding Weather and Census data, etc.		<b>15</b>
Project total: 100 Completing 5, 6 <u>and</u> 7: +15 Extras: + 10		<b>100</b>

It is possible to obtain a mark of 125 out of 100.