**BU.330.740 Large Scale Computing on the Cloud**

**Instruction and Rubric for Team Project**

You will work in teams of 4 members, and develop a big data proposal for prospective business opportunity using cloud computing.

The client is an organization/business area that one of your team members is associated with as a current employee, past employee, or by some other connection (at least one member should be familiar with their work processes). Develop a proposal that describes how your client organization can benefit from implementing the recommended solution to address their problem/opportunity.



Deliverable #1: By the day of **Module 2**, please submit the names of your group members to TA.



Deliverable #2: On the day of **Module 7**, one of your team members will submit your final report on behalf of the team through Canvas, together with all the supplemental materials (preliminary datasets and results). Grading will be based on the items detailed below. Use external sources where appropriate, and provide clear citation and bibliography. All group members should contribute to the analysis and presentation.

Business Problem/Opportunity (20%)

* Identify, define, and motivate the business problem or big data opportunity that you are addressing.



* Describe product/services being enhanced/substituted by your analytics solution.



Data Set (25%)

* Identify and describe the data set you propose to understand the business processes/operations/customers/system users better.
* Describe the 5V’s of the data set.



* Preliminary datasets, can be simulated or from other existing businesses/problems.

Cloud Computing Tools and Data Mining Methods (25%)

* Discuss potential cloud computing tools to store and process your data.
* Describe (precisely) your proposed big data/data mining methods.



* Preliminary results to demonstrate the feasibility of your proposal.



Readability/Style/Mechanics (10%)

* Follow the format guideline provided in the end of this document.
* Structure the report in a clear and logical manner.
* Use identified and credible references and follow citations/references guidelines.
* Use non-textual reader-friendly tools such as tables and figures as appropriate.

Presentation/Communication (20%)

* Each person on the team must present some part of the briefing. Each member has 3 minutes for their presentation, and the whole team’s presentation should not exceed 12 minutes.



* Reading from a script is prohibited. Points will be deducted if any team member reads instead of presenting.

Peer evaluation

* A peer evaluation will be administered at the end of the project. Each team member will be evaluated by all other members on a scale of 1 to 10, where 10 means excellent contribution.
* If all team members contribute to the project equally, they will share the same grade for the project. Otherwise, the peer evaluation results will affect your final score for the project.
* For example, if your team effort score is 30, and you receive an average peer evaluation score of 8 out of 10, then your final project grade will be 30\*80%=24.

**Format guideline:**

* **The project report should be in the format of a PPT deck.**
* Use and submit a PPT deck that will consist of the slides your team will use for its presentation, plus annotations using the Notes feature of PowerPoint.
* Use the Notes feature of PPT to expand on the slide content, and to explain details of your project on the suggested components.



* Maximum number of slides is 12.



* Your first slide must be a title slide that includes the names of all team members.

