IST 3420 – Introduction to Data Science and Management, Fall 2017, Chen

**Project Evaluation Form – Milestone 1: Project Proposal**

**Submission Due Sep 8, 11:59 PM**

**Instruction:**

1. Discuss with your group members. Find a business problem that can be solved by using business analytics methods. Submit your project proposal.
2. The project proposal should include two sections:

* Introduction
* Data Source and Collection

Read the evaluation criteria carefully on the next page for the detailed requirement.

1. Students should come up with their own datasets. If you have your own datasets, that is great. If you don’t have datasets at hand, you can either collect your own datasets or find some existing datasets for your project from the Internet such as the following websites:

* Kaggle Datasets
* <https://www.kaggle.com/datasets>
* Harvard Dataverse
* <https://dataverse.harvard.edu/dataverse/harvard>

1. The dataset that is appropriate for the course project must satisfy the following criteria:

* The dataset must be in raw format. It has not been cleansed by other people;
* The dataset must have potential to tell an interesting story;
* There must be relatively large number of variables (>=20) that could be extracted from the dataset;
* The dataset should have a large number of observations (>=1000).

Each group must send their dataset to the instructor for approval. It is recommended that each group discuss their dataset with the instructor in the office hours.

1. Please submit the following two documents into Canvas:

* The project proposal written in MS Word document by using the project template provided;
* The Evaluation form with full project team information (see below table).

**Project Team Information (filled in by students)**

|  |  |  |
| --- | --- | --- |
| **Member name** | **Percent contribution** | **Activities completed by the member** |
| Adam Forestier | 25% | Wrote majority of proposal, found data set, came up with questions to analyze and research |
| Brandon Jones | 25% | Assisted with proposal, met with professor for approval |
| Nathaniel Williams | 25% | Assisted with proposal, met with professor for approval, came up with questions to analyze |
| Parika Gupta | 25% | Approved data selection and provided positive question input |

**Evaluation Summary – M1 (filled in by instructor)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Criteria** | **Target %** | **Comments** | **Evaluation** |
| * Fully explain the business problem you choose to analyze. * Introduce business scenario or setting for your project. | 40 |  |  |
| * Clearly specify the high level requirements and research questions. | 30 |  |  |
| * Specify data source(s) [and data collection method(s) if applicable]. The dataset should be new and have NOT been used for any previous course projects. * Explain how you get the data and what key information is available in the dataset. | 20 |  |  |
| * Format your project proposal in a professional way. * Write your project proposal using the MS Word template provided. | 10 |  |  |
| The proposal satisfies all of the following criteria:   * It tells a very interesting story; * The project is very promising; * The whole document is well written. | 10 bonus |  |  |
| **Total** | **100** |  |  |