Project Plan

To be checked/Filled up

Done

Urgent

1. Research Objectives and Requirements
   1. Objectives

* What is the model for new credit risk
  1. Requirements

1. Project Milestones and Deliverables
   1. Key Milestones - major events along your timeline
      1. Problems are defined
      2. Exploratory Data analysis & Literature Review
      3. Understanding and cleaning the data
      4. Apply variable selections, algorithm and heuristic
      5. Fit GLM
      6. Model selection
      7. Validation
      8. Evaluate and draw conclusion.
      9. Create Report
   2. Deliverables - What we will be presenting
      1. Comparison between traditional model and proposed model
2. Work Tasks

|  |  |  |
| --- | --- | --- |
| Task |  | Assigned To |
| **Defining Problems** |  | Everyone |
| **Exploratory Data Analysis and Literature Review** | | |
| Exploratory Data Analysis |  | Everyone |
| Literature Review |  | Everyone |
| **Understanding and Cleaning Data** | | |
| Understanding and state the objective |  |  |
| Clean Data to Improve the quality of the data | Remove Unwanted Observation |  |
|  | Handle Missing Data |  |
|  | Filter Unwanted Outliers |  |
|  | Categories the data |  |
| **Apply variable selection algorithm or heuristic** | | |
| Variable Selection Algorithm | Eg: AIC |  |
| Foursteps |  |
| **Fit GLM** | |  |
| Link function selection |  |  |
| **Model Selection** | |  |
| List of candidate models |  |  |
| **Test and Validation** | |  |
| Goodness of fit |  |  |
| Cross Validation | Gini |  |
| **Evaluate and Draw Conclusion** | |  |
| **Create Report** | |  |
| Introduction |  |  |
| Literature Review |  |  |
| Data |  |  |
| Methods |  |  |
| Results |  |  |
| Discussion |  |  |
| References |  |  |

|  |  |
| --- | --- |
| Team Leader |  |
| Team Member |  |
|  |  |
|  |  |

1. Scheduling, critical path analysis and constraints

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| Week 4 (12/8) | Defining Problem, Literature Review and Exploratory Data Analysis |
| Week 5 (19/8) | Understanding and Cleaning the Data |
| Week 6 (26/8) |
| Week 7 (2/9) | Project Plan Submission |
| Week 8 (9/9) | Apply variable selections, algorithm and heuristic |
| Week 9 (16/9) | Fit GLM |
| Week 10 (23/9) | Model Selection |
| Mid Sem break (30/9) | Validation |
| Week 11 (7/10) | Evaluate and Draw Conclusion |
| Week 12 (14/10) | Presentation & Create Report |
| Week 13 (21/10) |
| Week 14 (28/10) | Technical Report Due |

Constraint

Scheduling Constraints

Critical Path