CP-1 Part 1: ISyE 6404

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2018-10-18

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Workload Distribution

Below is a description of tasks and the distribution of work (%) by team member for this project:

Team Member	Task Description
Yuan Gao	TBD
Kevin Lee	TBD
Akshay Govindaraj	TBD
Yijun (Emma) Wan	TBD
Peter Williams	TBD
Ruixuan Zhang	TBD

PH-Regression Data-Fit

Dataset intro

Tasks

1) Locate a data set in the field of your interest, e.g., eCommerce, medical study, drug development, supply-chain/logistics operations, to practice the PH-regression technique. Note that we need to predict both hazard-rate and the survival function at an input x0.
2) Follow Task #4 in EP-2 to construct a 90% pointwise confidence interval based only the bootstrap method.
3) Skim through the CP-1 references given in Files> Projects> CP-1> Reference> directory to write a two-page report for summarizing the work there.
4) Outline steps for implementing one of the studied procedure addressed in the reference. You DO NOT need to implement them, but describe how to do it.
5) Discuss whether the results getting in (2) and (4) might be different (in what way).