

STAT 6390 - Potential topics

Updated on August 20, 2018

Course project topics

One person project:

- aftgee vignettes.
- Kernel smoothing on the survival estimation and density estimation.
- Estimating tail probabilities on the survival estimation and density estimation.
- Kernel smoothing on rank estimating equation for accelerated failure time models.

Up to two people topics:

- Investigate bootstrap-based quasi-independence tests.
- Kernel smoothing on
- Develop a parametric based accelerated failure time model under the generalized extreme value distribution and extreme value distribution.
- Implement and review the supremum tests of Fleming, Harrington and O'Sullivan (1987).