MSDS 7333: Quantifying the World

Case Study 6: Change Point Detection and Nonparametric Regression

Rubric

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| --- | --- | --- |
|  | Total Points | Points Awarded & Comments |
| Case study Total Points |  | |
| Abstract | 5 | This gives a very short overview of the document including a general description of the problem and notable take-away messages. |
| Introduction | 5 | What is the overall goal of your investigation? What is the problem you are working on and why is it important? |
| Background: brief background of data set, branching processes (and when they or other stochastic processes might be useful). | 10 | Explain the simulation conditions and what you are going to do. Explain the general concepts of a branching process and simulation studies. |
| Methods: What did you do? Why did you do it? Always be mindful of how it relates to the objectives outlined in the Introduction/Background. | 30 | Be thorough! |
| Results: This is where you compile the evidence for your conclusion. Describe any plots or tables. | 30 | Be sure to emphasize any deliverables explicitly requested in the problem. |
| Conclusion: summarize the main outcome(s) of from the results | 5 | What lessons will you take with you after this examination? |
| grammar & organization   1. Spelling/typographical errors 2. Paper structured as given in template 3. Smooth transitions between sections | 5 |  |
| bibliography & Citations: conform to standard format and are consistent | 5 |  |
| Code: Attached as a separate file or appendix. | 5 | Be sure it is clean and commented |