

Project 3 Modeling of Internet Traffic

Due Jun 2 by 11:59pm **Points** 100 **Submitting** a file upload

Available Mar 1 at 4pm - Jun 2 at 11:59pm 3 months

This assignment was locked Jun 2 at 11:59pm.



8 hrs



Teamwork



Objective

To find the best distributions that fit data of interpacket arrival times in Internet traffic. Also, to understand the concepts of mean excess delay, survival function and heavy tails.



Instructions

- Using the software tool Wireshark, capture data traffic in a trace and prepare such data to be processed in Matlab, i.e., export data to Excel files
 - Follow the instructions in the [project description file in this link](#)
 - You can also [read a support file](#) explaining some of the concepts and showing some of the plots you need to get
 - You can also see what some Matlab programs do in this link
 - **EXTRA:** CHARACTERIZE THE ON/OFF PROCESS as in the support Matlab programs provided in the Modules under 5. Stochastic Processes
 - Write your report with a frontpage that contains all the information of each of the members of the team
 - **When submitting, each and everyone of the members of the team will submit the same document in PDF format to be graded.**
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Deliverables

- Your Matlab programs
- Your report containing all the plots, tables, description, and discussions.
- The report must contain a frontpage with all the names and IDs of the members of your team
- Each member of the team will submit the same files

Format: your PDF file of the report and your MATLAB programs

Submission: Submit your PDF file and m programs through the submission button in CANVAS. If you need, you can submit everything in one ZIP file.



Evaluation and Feedback

- You will get feedback in the two weeks following the submission. The comments will be made through CANVAS