

# Project 2: ADMI 6807

A. Nieves-González

University of Puerto Rico  
Río Piedras Campus  
Institute of statistics

**Due date: May 22, 10 am.**

This is a group project, make a group of one or two persons. The following list enumerates topics related to different areas within applied mathematics and computer science. The project consists of writing a paper and making an oral report discussing one of the topics listed below. The paper must include references, a discussion about the technical aspects of the chosen subject, but must emphasize on the relation of the chosen topic to the corresponding field within the discipline of business administration. In the oral report all group members must participate and should last no more than 20 minutes. Attached to the written document there must be a sheet in which is stated the contribution of each of the group members to the project. That sheet must be signed by the group members.

## 1 Topics

---

Cryptography	Tor (the anonimity network)	Modeling and simulation
E-commerce	Database	SQL
Deep or Dark Internet	Numerical Analysis	Scientific computing
Digital music/art	Spectral (Fourier) analysis	Computer security
Bitcoins and digital currency	Difference equations	ARMA
Interpolation	Splines	

---

Note that there is overlap between some of the topics listed above, so it is possible that in your discussion you will treat more than one of the listed subjects. The above list is not exhaustive, thus you can make your report about other applied math related subject. In any case you must talk with the professor about your group composition and about the topic that you want to treat before starting doing your paper.