Math 3618 · Turn-in Assignment #3
Due: Tuesday, December 3, 2019

This assignment is to turned in by one member of your group. The assignment will be partially online; make sure that the name of the groups main GitHub account is clearly legible!

3.1. On your master account "3618 projects" projects, place an R code file or R markdown file with a script that creates a bond amortization table. according to he following specifications:

- Start the file by writing comments explaining what you do in the script.
- Set the following values in your workspace: $n = 10, C = 10000, r = 0.06, i = 0.04$
- Treat i as a nominal annual rate, convertible semiannually, treat r as the annual coupon rate, treat n as the number of years until redemption for your bond, and treat C as both the par and redemption value for your bond. Make sure that your script will still work if these values are changed!
- Calculate the coupon size of your bond and give it a descriptive name like `coupon_size`.
- Either call upon or otherwise reuse your loan amortization code to create a bond amortization table.
- After the loop is done, label the rows and columns of the matrix appropriately.
- Perform a check to make sure that the book value of your bond is C just after the final coupon.