

Fall 2022: CSE 5301

Homework 5

Due Date: 2022-11-30, 11:59 pm

Instructions

- The assignment has to be submitted on canvas (<https://uta.instructure.edu>)
- If its typed, make sure the extension is (.pdf)
- If its handwritten, make sure to scan at high enough dpi that the text is legible and readable
 - Save as .pdf
- If your submission is a single file name it as <net-id>_hw5.<extension>
- If your submission is made of multiple files, zip them together into a single archive
 - Only .zip archives accepted
 - Name the file <net-id>_hw5.zip
 - Contact the instructor or TA if you have any issues creating archives
- **ALL WORK HAS TO BE INDIVIDUAL WORK.**

Questions

PDF file is attached for reference pages. Solve following questions from attached file.

- (1) Random Generator: Generate 2D sample by using Generating Pseudorandom Numbers and Generating Quasi-Random Numbers. Plot both samples and compare this to a scatter of numbers generated (20 pt)

Chapter 6 Exercises: 6.3 (10pt), 6.4, 6.5, 6.7, 6.11, 6.23 (each 20pt)