Written Project

Assignment: Write a paper on a topic in mathematics or statistics of your choosing approved by the instructor (that's me!). The mathematical content of the project is to reflect the content of the courses in the undergraduate major. The paper is to be written at a level understandable by your fellow seminar participants. This paper can be used to satisfy the Fulbright College Writing Requirement.

Details: The paper must contain substantial mathematics or statistics (i.e. cannot solely be a biography of a mathematician), a bibliography of references (using either APA or MLA, denote which style is used), be organized by sections, and be 10–15 pages long (not including figures, tables and references) with 1.5 line spacing and 12 point type. In order to appropriately include mathematics in the paper, you will need to use some mathematics software such as Equation Editor, MathType or LaTeX. The rubric provides details regarding grading of the project.

Topic Selection: Choose a topic that is unique and interests you but also one that is accessible to you given your current mathematical background.

Resources for help in choosing a topic:

- mathematics section in Mullins Library (QA – 3rd floor) or SCEN 349
- MAA Periodicals: Math Horizons, Mathematics Magazine, The American Mathematical Monthly, The College Mathematics Journal (all available online: `https://uark.libguides.com/MASC`)
- Stephanie Pierce – Physics and Mathematics Librarian, PHYS 221B, email: sjpierc@uark.edu
- instructor or text book of a previous mathematics course you have taken
- me!

Focus your research on a particular aspect of your topic to provide adequate depth.

Important Dates:

- Thursday, January 24: Title and three sentence description of project
- Thursday, February 7: Outline of project
- Thursday & Tuesday, February 14 & 19: 3 minute project presentations
- February 28 - March 6: One-on-one meeting with Prof. Clay
- Tuesday, March 12: First draft of project
- **Tuesday, April 16: Final version of project**
- Tuesday, April 16 - Thursday, May 2: 10 minute project presentations