

STAT 311: Introductory Probability
Research Paper Format
Spring 2016 - Project (60 pts.)
Due Friday, April 22, 2016 in class

Each project, Statistics or Computer Science, will have different specifics because the material presented is different. In addition, some of the projects might have additional files, etc. that will be used. This is the general format of what I am looking for including the points for each part. Note: Be very careful about using Wikipedia as a source since anyone can update the material. This can be used as a good starting point to find good sources or to give you general background information about your subject. Though the paper should be typed, if you need to hand write the derivations in the theoretical section, that is acceptable. Feel free to turn in the paper on Blackboard if that is convenient for you. The number of points on Blackboard is 75 which is the number of points for the mathematics education project.

Be sure to include a title to your paper.

(10 pts.) Introduction: Why is your subject important in your field? References are required; however, textbooks used in your other classes are acceptable for general background. Length should be at least one paragraph.

(30 pts.) Theoretical: This is going to be the main part of the paper. This is a detailed mathematical derivation of the theory used. If you use references, please include them. References here might include the textbook for this class.

(5 pts.) Experimental: This part includes the analysis of the data and how the experimental results compare with the theoretical results. A detailed description of how you analyze your data is required. References are required if you obtain your own experimental data though the data itself does not need to be included.

(10 pts.) Discussion: This is the discussion of the consequences of your experimental results and how they relate to your field. References may or may not be required depending on what you want to state. Length should be at least one paragraph.

(5 pts.) Conclusion: Briefly restate the goal of the project and what conclusions that you arrived at and why. Length should be at least a couple of sentences.

Bibliography (this will be graded as part of the Introduction)