**AML 612 Spring 2018 Homework #1**

**Submit all files to** [**smtowers@asu.edu**](mailto:smtowers@asu.edu)**.**

**Due Wed Jan 24th , 2018 at noon.**

**Please submit your files in a format hwk1\_<first name>\_<initial of last name>.bib .tex .pdf (etc)**

1. Using Google Scholar, search for two papers on a research topic that interests you. The papers must involve data and some kind of statistical analysis of the data. In addition, search for a paper on the topic of the efficacy of handwashing promotion methods (for a total of three papers).
2. Open a text file (not a Word file!) and create an annotated bibliography that contains the bibtex entry for each paper. Add a latex comment above each of the entries, add the abstract, and also a short summary in your own words of the article.
3. Create a latex document that gives the titles of the papers, and provides a short description of the studies presented in the papers., Read the module Elements of Scientific Papers at <http://sherrytowers.com/?p=3409> Using the rubric of Lacum et al, for each of your three papers identify and discuss the seven key elements. If one or more of the elements appears to be missing in the paper, comment on it. Comment on the importance of the papers and the uniqueness of the analyses. Cite the papers in your latex document using bibtex, and compile the file to produce a PDF document. *Make sure all of the references are resolved when you compile the latex document*! (i.e. no [?] citations in the text). *This is achieved by running the LaTex compiler once, then running bibtex once, and then LaTex compiler twice again.*
4. In your the description of each of the papers, also include a description of the sample sizes used in each of the studies.

Submit the pdf of the three papers, your bibtex file, the latex file, and the compiled PDF of the latex file.