Final Paper Information

PSCI 7381: Social Networks, Spring 2021

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Your final paper should include the following information. This information should be included naturally in the context of your paper, and not in a bullet point list. Submit your paper by **Monday, May 10th at 11:59pm**.

1. **Introduction:** This section should clearly introduce your problem, research question, and motivation for pursuing this research (i.e., what hole in the literature does it address?). It should provide an overview of your findings.
2. **Research Question and Hypotheses**
    a. Clearly list your research question and why it is important.
    b. Clearly list your specific hypotheses (this should clearly distinguish your dependent and key independent variables).
    c. Your hypotheses should be supported by previous research (literature) that you cite.
3. **Research Design**
    a. Why are you using network data? Why is this a "network" study?
    b. Who are the actors (nodes) in your study?
    c. Which actors are included in your study (what is the network boundary)?
    d. What are the ties in your study? Are the ties directed or undirected? What relationships do they represent?
    e. Is your data unipartite? Or bipartite? Are you using whole egocentric network data?
4. **Network Data**
    a. What data did you use? How did you collect it?
    b. What time frame does your data cover? Why that time frame?
    c. How many nodes are in your network? How many ties? Do you have ties of different types?
    d. What's the density of your network?
    e. Provide descriptive statistics for the:
        i. In-degree, out-degree, and total-degree of nodes in your network (this can be the average, min, max, and median)
        ii. The other variables you will use in your model.
5. **Network Visualization**: Provide a visualization of your network that BEST and most accurately describes the relationships/phenomenon you are trying to portray. What does this visualization convey? What does it not convey?
6. **Analysis, including GOF**
    a. What statistical model do you use to analyze your data and why?
    b. Do you find support for each of your hypotheses? Why or why not?
    c. Include interpretations of the coefficients in your model. Be sure to include your results in tables (do not include the R output).
    d. Assess the goodness of fit. Specifically, include the GOF plots in the text and talk about the extent to which your model provides a good fit of the simulated data.
7. **Conclusions**: Summarize your results and reiterate their meaning and broader importance.
8. **Bibliography**: cite often in text and include the full citations in your bibliography.
9. **Appendix**: Include ALL R-code and output used.