Paper Title: Up to 12 Words or Two Lines

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Author First M. Last

Institutional Affiliation(s)

Course Number: Course Name

Author Note

Include any grant/funding information and a complete correspondence address.

**Introduction**

What is the problem setting and the research question? Is there some interesting previous work

done on the topic?

**Methods**

Which model(s) did you formulate? What are the key model assumptions (e.g., exchangeability,

linearity, etc.)? What are the key model parameters of interest? What priors did you formulate

and why do these makes sense? What is the full (joint) model specification? What is the size of

the data? Which software and libraries did you use? Which metrics and methods did you compute for assessing model fit (i.e., generative performance) and predictive performance? Did you perform prior sensitivity analysis?

**Results**

• Diagnostics: Did your model(s) converge? How was convergence assessed (e.g., train - validation loss trajectories, visual and numeric diagnostics for MCMC).

• Interpretation: What are the implications of your model? How much uncertainty did you

manage to reduce? Did you manage to address the question you started with?

• Validation: How did your model fare in terms of generative and predictive performance?

• Sensitivity: How did any of the above change under different prior assumptions or experimental settings?

**Discussion**

What did the analysis reveal? What did you learn about the problem? What were the challenges?

What are the future outlooks for improving the model-based analysis?

References

Last Name, A. B. (Year). Article Title. Journal Title, Pages #-#. URL. URL.

Last Name, C. D. (Year). Book TitleBook Title URL.

Last Name, D. E., Last Name, F. G. (Year). Report TitleReport Title URL.

Last Name, H. I. (Year, Month Day). Article Title/Headline. Periodical.Periodical.

Organization Name. (Year, Month Day).Webpage Title. URL.

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Tables

Table 1

Table Title

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Note: Place all tables for your paper in a tables section, following references and footnotes. Start a new page for each table, include a table number and table title for each, as shown. All explanatory text appears in a table note that follows the table, like this one. Use the **Table/Figure** style, available on the **Home** tab, in the **Styles** gallery, to get the spacing between table and note. Tables in APA format can use single or 1.5 line spacing. Include a heading for every row and column, even if the content seems obvious. A default table style has been set up for this template that fits APA guidelines. To insert a table, on the **Insert** tab, click **Table**.

Figures Title

Figure 1.

Include all figures in their own section, following references, footnotes, and tables. Include a numbered caption for each figure. Use the Table/Figure style for easy spacing between figure and caption.



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