

Template and Guidelines for Using L^AT_EX in

The American Naturalist

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Manuscript elements: Figure 1, figure 2, table 1, appendix A (for print; including figure A1, figure A2, and table A1), supplemental PDF. Figure 2 is to print in color.

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Manuscript type: Article.

Prepared using the suggested L^AT_EX template for *Am. Nat.*

Abstract

1

2 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed non risus. Suspendisse lectus tortor,
3 dignissim sit amet, adipiscing nec, ultricies sed, dolor. Cras elementum ultrices diam. Praesent
4 quis dolor in dolor molestie cursus et ac nisi. Vestibulum ante purus, semper eget est vitae,
5 vehicula ornare nisl. Morbi efficitur euismod enim, nec feugiat tellus cursus eget.

Introduction

The quick red fox jumps over the lazy brown dog. Furthermore, the quick brown fox jumps over the lazy red dog. In addition, the quick Rüppell's fox (*Vulpes rueppellii*) jumps over the lazy golden retriever.

Methods

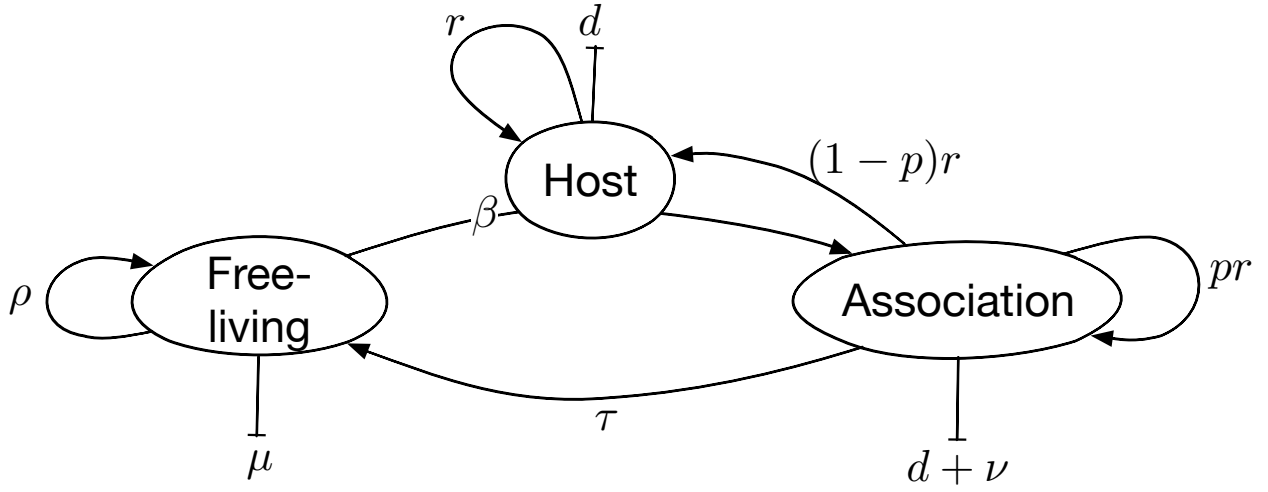


Figure 1: Model sketch

$$\frac{dF}{dt} = \rho F + \tau A - \alpha F^2 - \mu F - \beta HF \quad (1)$$

$$\frac{dA}{dt} = \beta HF + prA - \gamma(A + H)A - (\nu + d)A \quad (2)$$

$$\frac{dH}{dt} = r(1 - p)A + rH - \beta HF - \gamma(A + H)H - dH \quad (3)$$

Second-order heading

Lorem ipsum nulla facilisi, pace Fastovsky (2009). Etiam semper, orci sit amet facilisis interdum, tellus nunc consequat erat, quis viverra nisi diam ut metus. Pellentesque cursus, sapien

malesuada euismod iaculis, mauris purus interdum diam, vel vestibulum justo enim vitae tellus. Nunc interdum lorem sit amet diam volutpat tristique. Quisque pulvinar ac metus commodo lacinia (Inglis et al. 2011; Xiao et al. 2015).

Third-order heading

Usually two or three levels of heading will be all you need. Journal style even permits a fourth level in case you need it.

Fourth-order heading. The quick red fox jumps over the lazy brown dog in this paragraph as well. Donec mauris nibh, volutpat vehicula viverra at, iaculis congue sem. Praesent eget erat rhoncus erat sollicitudin volutpat.

$$\frac{1}{N_k - 1} \sum_{t=1}^{N_k} (M_{tjk} - \bar{M}_{jk})^2 \quad (4)$$

Praesent quis dolor in dolor molestie cursus et ac nisi. Vestibulum ante purus, semper eget est vitae, vehicula ornare nisl. Morbi efficitur euismod enim, nec feugiat tellus cursus eget. Donec mauris nibh, volutpat vehicula viverra at, iaculis congue sem.

Another second-order heading

As Xiao et al. (2015) argued, phasellus porttitor eros et ante condimentum, eget facilisis orci condimentum. Nulla facilisi. Proin placerat elit blandit, euismod dolor nec, dapibus diam. Mauris posuere malesuada lacus, at elementum lacus auctor eu (fig A1A).

Results

Lorem ipsum dolor sit amet. Aenean pulvinar malesuada commodo (see Davis et al. 2011; table 1). Sed aliquet mauris odio, in tristique dui egestas a. Etiam eu malesuada quam. Suspendisse tincidunt eu erat sit amet vulputate. Duis at arcu et nisl dictum mattis. Maecenas vel cursus ante.

34 Cras eleifend elit nec velit sollicitudin fermentum in ac mauris. Pellentesque rutrum magna vel
35 elit maximus hendrerit.

36 *The height of the jump*

37 Aenean eu pellentesque quam (fig. 1). Nam pellentesque augue eu finibus lacinia. Nullam
38 nec justo vitae odio imperdiet rhoncus vitae vitae quam. Pellentesque porttitor metus et lectus
39 ornare, ac cursus urna efficitur (fig A1B).

40 *The laziness of the dog*

41 Example paragraph with embedded references (video S1, fig. 2). If you have deposited data to
42 Dryad, it is advisable to cite them somewhere in the main text (usually in the Methods or Results
43 sections). A sentence like the following will do: All data are available in the Dryad Digital
44 Repository (Cook et al. 2015).

45 **Discussion**

46 Nam pulvinar lorem at lorem ultrices, vel accumsan massa feugiat (Inglis et al. 2011). Proin
47 tristique velit eget lacus iaculis, in pellentesque nulla varius. Phasellus sodales est odio, eu
48 pulvinar magna pellentesque eu. Sed ut lobortis eros. Aliquam eget metus turpis. Sed et
49 convallis lectus, id tincidunt enim. In porta nibh ut lacus feugiat, non consequat orci rhoncus.
50 Morbi blandit at augue nec tempor. Sed fringilla ipsum ut justo viverra, ut euismod nisi gravida.
51 Curabitur non posuere augue, id suscipit orci. Nunc luctus accumsan aliquam. Cras egestas
52 turpis vitae nisl vulputate interdum. Donec pellentesque libero egestas tortor pharetra laoreet.
53 Phasellus facilisis auctor ligula, eu sollicitudin mi sagittis non.

Conclusion

Duis pharetra enim at libero cursus, eu commodo mi vestibulum. Nullam eget velit nec lectus viverra sodales. Suspendisse egestas, eros at dictum tincidunt, mi orci laoreet libero, eget rutrum sapien arcu blandit odio.

Acknowledgments

OEC would like to thank Madlen Wilmes, Gyuri Barabás, Flo Débarre, Vlastimil Křivan, and Greg Dwyer for their comments and suggestions on this template.

Statement of Authorship

OEC conceived the experiments, collected the data, and wrote the original draft. GHC provided specimens and analyzed the model. AQE oversaw data analysis and developed the code. All authors reviewed and edited the writing at all stages of revision.

Data and Code Availability

On initial submission, you may use this section to provide a URL for editors and reviewers that is ‘private for peer review’. After acceptance, this section must be updated with correct, working DOIs for data and code deposits (such as in Zenodo, Dryad, or DataVerse). An example statement could resemble the following: All data and code for this work are available from the Dryad Digital Repository, Cook et al. 2015).

71 **Appendix A: Additional Methods and Parameters**

72 *Fox–dog encounters through the ages*

73 The quick red fox jumps over the lazy brown dog. The quick red fox has always jumped over the
74 lazy brown dog. The quick red fox began jumping over the lazy brown dog in the 19th century
75 and has never ceased from so jumping, as we shall see in figure A1. But there can be surprises
76 (figure A2).

77 If the order and location of figures is not otherwise clear, feel free to include explanatory
78 dummy text like this:

79 [Figure A1 goes here.]

80 [Figure A2 goes here.]

81 *Further insights*

82 Tables in the appendices can appear in the appendix text (see table A1 for an example), unlike
83 appendix figure legends which should be grouped at the end of the document together with the
84 other figure legends.

Table A1: Various rivers, cities, and animals		
River	City	Animal
Chicago	Chicago	Raccoon
Des Plaines	Joliet	Coyote
Illinois	Peoria	Cardinal
Kankakee	Bourbonnais	White-tailed deer
Mississippi	Galena	Bald eagle

Note: See table 1 below for further table formatting hints.

85 Lorem ipsum dolor sit amet, as we have seen in figures A1 and A2.

Literature Cited

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Tables

Table 1: Founders of *The American Naturalist*

Early editor	Years with the journal
Alpheus S. Packard Jr.	1867–1886
Frederick W. Putnam	1867–1874
Edward S. Morse	1867–1871
Alpheus Hyatt	1867–1871
Edward Drinker Cope ^a	1878–1897
J. S. Kingsley	1887–1896

Note: Table titles should be short. Further details should go in a ‘notes’ area after the tabular environment, like this.

^a Published the first description of *Dimetrodon*.

Figure legends

Figure 1: Figure legends can be longer than the titles of tables. However, they should not be excessively long—in most cases, they should be no more than 100 words each.

Figure 2: In this way, figure legends can be listed at the end of the document, with references that work, even though the graphic itself should be included for final files after acceptance. Instead, upload the relevant figure files separately to Editorial Manager; Editorial Manager should insert them at the end of the PDF automatically.

Figure A1: *A*, the quick red fox proceeding to jump 20 m straight into the air over not one, but several lazy dogs. *B*, the quick red fox landing gracefully despite the skepticism of naysayers.

Figure A2: The quicker the red fox jumps, the likelier it is to land near an okapi. For further details, see Fastovsky (2009).

Video S1: Video legends can follow the same principles as figure legends. Counters should be set and reset so that videos and figures are enumerated separately.