
Formatting Instructions For the NeurIPS 2023 Track on Datasets and Benchmarks

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Abstract

1 The abstract paragraph should be indented 1/2 inch (3 picas) on both the left- and
2 right-hand margins. Use 10 point type, with a vertical spacing (leading) of 11 points.
3 The word **Abstract** must be centered, bold, and in point size 12. Two line spaces
4 precede the abstract. The abstract must be limited to one paragraph.

5 1 Submissions to the NeurIPS 2023 Track on Datasets and Benchmarks

6 Please read the instructions below carefully and follow them faithfully.

7 1.1 Style

8 Papers must be prepared according to the instructions presented here. Papers may only be up to **nine**
9 pages long, including figures. Additional pages *containing only acknowledgments and references* are
10 allowed. Papers that exceed the page limit will not be reviewed, or in any other way considered for
11 presentation at the conference.

12 Authors are required to use the NeurIPS L^AT_EX style files obtainable at the NeurIPS website as
13 indicated below. Please make sure you use the current files and not previous versions. Tweaking the
14 style files may be grounds for rejection.

15 1.2 Retrieval of style files

16 The style files for the NeurIPS Track on Datasets and Benchmarks and other information are available
17 on the World Wide Web at

18 <http://www.neurips.cc/Conferences/2023/CallForDatasetsBenchmarks>

19 The file `neurips_data_2023.pdf` contains these instructions and illustrates the various formatting
20 requirements your submission must satisfy.

21 The only supported style file for NeurIPS 2023 is `neurips_data_2023.sty`, written for L^AT_EX 2_ε.
22 There are no supported style sheets for Microsoft Word, RTF, or other formats. The L^AT_EX style file
23 contains three optional arguments: `final`, which creates a camera-ready copy, `preprint`, which
24 creates a preprint for submission to, e.g., arXiv, and `nonatbib`, which will not load the `natbib`
25 package for you in case of package clash.

*Use footnote for providing further information about author (webpage, alternative address)—*not* for acknowledging funding agencies.

26 **Preprint option** If you wish to post a preprint of your work online, e.g., on arXiv, using the
27 NeurIPS style, please use the preprint option. This will create a version of your work with the text
28 “Preprint. Work in progress.” in the footer. This version may be distributed as you see fit. Please **do**
29 **not** use the final option, which should **only** be used for papers accepted to the NeurIPS Track on
30 Datasets and Benchmarks.

31 At submission time, please omit the final and preprint options. This will add line numbers to
32 aid review. Please do *not* refer to these line numbers in your paper as they will be removed during
33 generation of camera-ready copies. Note that submissions to the NeurIPS Track on Datasets and
34 Benchmarks are reviewed in a single-blind fashion and therefore not anonymous. This is because
35 datasets can typically not be shared in a non-anonymous way. If you feel strongly that your work
36 should be submitted anonymously, please use the anonymous option. This will create a version of
37 your work with all author names hidden.

38 The file neurips_data_021.tex may be used as a “shell” for writing your paper. All you have to
39 do is replace the author, title, abstract, and text of the paper with your own.

40 The formatting instructions contained in these style files are summarized in Sections 2, 3, and 4
41 below.

42 **2 General formatting instructions**

43 The text must be confined within a rectangle 5.5 inches (33 picas) wide and 9 inches (54 picas) long.
44 The left margin is 1.5 inch (9 picas). Use 10 point type with a vertical spacing (leading) of 11 points.
45 Times New Roman is the preferred typeface throughout, and will be selected for you by default.
46 Paragraphs are separated by 1/2 line space (5.5 points), with no indentation.

47 The paper title should be 17 point, initial caps/lower case, bold, centered between two horizontal
48 rules. The top rule should be 4 points thick and the bottom rule should be 1 point thick. Allow 1/4 inch
49 space above and below the title to rules. All pages should start at 1 inch (6 picas) from the top of the
50 page.

51 Authors’ names are set in boldface, and each name is centered above the corresponding address. The
52 lead author’s name is to be listed first (left-most), and the co-authors’ names (if different address) are
53 set to follow. If there is only one co-author, list both author and co-author side by side.

54 Please pay special attention to the instructions in Section 4 regarding figures, tables, acknowledgments,
55 and references.

56 **3 Headings: first level**

57 All headings should be lower case (except for first word and proper nouns), flush left, and bold.

58 First-level headings should be in 12-point type.

59 **3.1 Headings: second level**

60 Second-level headings should be in 10-point type.

61 **3.1.1 Headings: third level**

62 Third-level headings should be in 10-point type.

63 **Paragraphs** There is also a \paragraph command available, which sets the heading in bold, flush
64 left, and inline with the text, with the heading followed by 1 em of space.

65 4 Citations, figures, tables, references

66 These instructions apply to everyone.

67 4.1 Citations within the text

68 The natbib package will be loaded for you by default. Citations may be author/year or numeric, as
69 long as you maintain internal consistency. As to the format of the references themselves, any style is
70 acceptable as long as it is used consistently.

71 The documentation for natbib may be found at

72 `http://mirrors.ctan.org/macros/latex/contrib/natbib/natnotes.pdf`

73 Of note is the command `\citet`, which produces citations appropriate for use in inline text. For
74 example,

75 `\citet{hasselmo}` investigated\dotso

76 produces

77 Hasselmo, et al. (1995) investigated...

78 If you wish to load the natbib package with options, you may add the following before loading the
79 neurips_2023 package:

80 `\PassOptionsToPackage{options}{natbib}`

81 If natbib clashes with another package you load, you can add the optional argument `nonatbib`
82 when loading the style file:

83 `\usepackage[nonatbib]{neurips_2023}`

84 As submission is double blind, refer to your own published work in the third person. That is, use “In
85 the previous work of Jones et al. [4],” not “In our previous work [4].” If you cite your other papers
86 that are not widely available (e.g., a journal paper under review), use anonymous author names in the
87 citation, e.g., an author of the form “A. Anonymous.”

88 4.2 Footnotes

89 Footnotes should be used sparingly. If you do require a footnote, indicate footnotes with a number²
90 in the text. Place the footnotes at the bottom of the page on which they appear. Precede the footnote
91 with a horizontal rule of 2 inches (12 picas).

92 Note that footnotes are properly typeset *after* punctuation marks.³

93 4.3 Figures

94 All artwork must be neat, clean, and legible. Lines should be dark enough for purposes of reproduction.
95 The figure number and caption always appear after the figure. Place one line space before the figure
96 caption and one line space after the figure. The figure caption should be lower case (except for first
97 word and proper nouns); figures are numbered consecutively.

98 You may use color figures. However, it is best for the figure captions and the paper body to be legible
99 if the paper is printed in either black/white or in color.

²Sample of the first footnote.

³As in this example.



Figure 1: Sample figure caption.

Table 1: Sample table title

Part		
Name	Description	Size (μm)
Dendrite	Input terminal	~ 100
Axon	Output terminal	~ 10
Soma	Cell body	up to 10^6

100 4.4 Tables

101 All tables must be centered, neat, clean and legible. The table number and title always appear before
102 the table. See Table 1.

103 Place one line space before the table title, one line space after the table title, and one line space after
104 the table. The table title must be lower case (except for first word and proper nouns); tables are
105 numbered consecutively.

106 Note that publication-quality tables *do not contain vertical rules*. We strongly suggest the use of the
107 booktabs package, which allows for typesetting high-quality, professional tables:

108 `https://www.ctan.org/pkg/booktabs`

109 This package was used to typeset Table 1.

110 5 Final instructions

111 Do not change any aspects of the formatting parameters in the style files. In particular, do not modify
112 the width or length of the rectangle the text should fit into, and do not change font sizes (except
113 perhaps in the **References** section; see below). Please note that pages should be numbered.

114 6 Preparing PDF files

115 Please prepare submission files with paper size “US Letter,” and not, for example, “A4.”

116 Fonts were the main cause of problems in the past years. Your PDF file must only contain Type 1 or
117 Embedded TrueType fonts. Here are a few instructions to achieve this.

- 118 • You should directly generate PDF files using `pdflatex`.
- 119 • You can check which fonts a PDF files uses. In Acrobat Reader, select the menu
120 Files>Document Properties>Fonts and select Show All Fonts. You can also use the program
121 `pdf fonts` which comes with `xpdf` and is available out-of-the-box on most Linux machines.

122 • The IEEE has recommendations for generating PDF files whose fonts are also ac-
123 ceptable for NeurIPS. Please see [http://www.emfield.org/icuwb2010/downloads/](http://www.emfield.org/icuwb2010/downloads/IEEE-PDF-SpecV32.pdf)
124 IEEE-PDF-SpecV32.pdf

125 • xfig "patterned" shapes are implemented with bitmap fonts. Use "solid" shapes instead.

126 • The `\bbold` package almost always uses bitmap fonts. You should use the equivalent AMS
127 Fonts:

128 `\usepackage{amsfonts}`

129 followed by, e.g., `\mathbb{R}`, `\mathbb{N}`, or `\mathbb{C}` for \mathbb{R} , \mathbb{N} or \mathbb{C} . You can also
130 use the following workaround for reals, natural and complex:

131 `\newcommand{\RR}{\mathbb{R}} %real numbers`

132 `\newcommand{\Nat}{\mathbb{N}} %natural numbers`

133 `\newcommand{\CC}{\mathbb{C}} %complex numbers`

134 Note that `amsfonts` is automatically loaded by the `amssymb` package.

135 If your file contains type 3 fonts or non embedded TrueType fonts, we will ask you to fix it.

136 6.1 Margins in L^AT_EX

137 Most of the margin problems come from figures positioned by hand using `\special` or other
138 commands. We suggest using the command `\includegraphics` from the `graphicx` package.

139 Always specify the figure width as a multiple of the line width as in the example below:

140 `\usepackage[pdftex]{graphicx} ...`

141 `\includegraphics[width=0.8\linewidth]{myfile.pdf}`

142 See Section 4.4 in the graphics bundle documentation ([http://mirrors.ctan.org/macros/](http://mirrors.ctan.org/macros/latex/required/graphics/grfguide.pdf)
143 [latex/required/graphics/grfguide.pdf](http://mirrors.ctan.org/macros/latex/required/graphics/grfguide.pdf))

144 A number of width problems arise when L^AT_EX cannot properly hyphenate a line. Please give LaTeX
145 hyphenation hints using the `\-` command when necessary.

146 6.2 Suppressing line numbers in supplementary materials

147 If you need to suppress line numbers in the supplementary materials because they interfere with the
148 text, for instance because you are including a data sheet in 2-column format, you can do so by placing
149 the following command before it:

150 `\let\linenumbers\nolinenumbers\nolinenumbers`

151 Acknowledgments and Disclosure of Funding

152 Use unnumbered first level headings for the acknowledgments. All acknowledgments go at the
153 end of the paper before the list of references. Moreover, you are required to declare funding
154 (financial activities supporting the submitted work) and competing interests (related financial activities
155 outside the submitted work). More information about this disclosure can be found at: [https://](https://neurips.cc/Conferences/2023/PaperInformation/FundingDisclosure)
156 neurips.cc/Conferences/2023/PaperInformation/FundingDisclosure. You can use the
157 ack environment provided in the style file. As opposed to the main NeurIPS track, acknowledgements
158 do not need to be hidden.

159 References

160 References follow the acknowledgments. Use unnumbered first-level heading for the references. Any
161 choice of citation style is acceptable as long as you are consistent. It is permissible to reduce the font

size to small (9 point) when listing the references. Note that the Reference section does not count towards the page limit.

[1] Alexander, J.A. & Mozer, M.C. (1995) Template-based algorithms for connectionist rule extraction. In G. Tesauero, D.S. Touretzky and T.K. Leen (eds.), *Advances in Neural Information Processing Systems 7*, pp. 609–616. Cambridge, MA: MIT Press.

[2] Bower, J.M. & Beeman, D. (1995) *The Book of GENESIS: Exploring Realistic Neural Models with the GEneral NEural Simulation System*. New York: TELOS/Springer-Verlag.

[3] Hasselmo, M.E., Schnell, E. & Barkai, E. (1995) Dynamics of learning and recall at excitatory recurrent synapses and cholinergic modulation in rat hippocampal region CA3. *Journal of Neuroscience* **15**(7):5249-5262.

Checklist

The checklist follows the references. Please read the checklist guidelines carefully for information on how to answer these questions. For each question, change the default **[TODO]** to **[Yes]**, **[No]**, or **[N/A]**. You are strongly encouraged to include a **justification to your answer**, either by referencing the appropriate section of your paper or providing a brief inline description. For example:

- Did you include the license to the code and datasets? **[Yes]** See Section 2.
- Did you include the license to the code and datasets? **[No]** The code and the data are proprietary.
- Did you include the license to the code and datasets? **[N/A]**

Please do not modify the questions and only use the provided macros for your answers. Note that the Checklist section does not count towards the page limit. In your paper, please delete this instructions block and only keep the Checklist section heading above along with the questions/answers below.

1. For all authors...

- (a) Do the main claims made in the abstract and introduction accurately reflect the paper's contributions and scope? **[TODO]**
- (b) Did you describe the limitations of your work? **[TODO]**
- (c) Did you discuss any potential negative societal impacts of your work? **[TODO]**
- (d) Have you read the ethics review guidelines and ensured that your paper conforms to them? **[TODO]**

2. If you are including theoretical results...

- (a) Did you state the full set of assumptions of all theoretical results? **[TODO]**
- (b) Did you include complete proofs of all theoretical results? **[TODO]**

3. If you ran experiments (e.g. for benchmarks)...

- (a) Did you include the code, data, and instructions needed to reproduce the main experimental results (either in the supplemental material or as a URL)? **[TODO]**
- (b) Did you specify all the training details (e.g., data splits, hyperparameters, how they were chosen)? **[TODO]**
- (c) Did you report error bars (e.g., with respect to the random seed after running experiments multiple times)? **[TODO]**
- (d) Did you include the total amount of compute and the type of resources used (e.g., type of GPUs, internal cluster, or cloud provider)? **[TODO]**

4. If you are using existing assets (e.g., code, data, models) or curating/releasing new assets...

- (a) If your work uses existing assets, did you cite the creators? **[TODO]**
- (b) Did you mention the license of the assets? **[TODO]**

- 205 (c) Did you include any new assets either in the supplemental material or as a URL?
206 **[TODO]**
- 207 (d) Did you discuss whether and how consent was obtained from people whose data you're
208 using/curating? **[TODO]**
- 209 (e) Did you discuss whether the data you are using/curating contains personally identifiable
210 information or offensive content? **[TODO]**
- 211 5. If you used crowdsourcing or conducted research with human subjects...
- 212 (a) Did you include the full text of instructions given to participants and screenshots, if
213 applicable? **[TODO]**
- 214 (b) Did you describe any potential participant risks, with links to Institutional Review
215 Board (IRB) approvals, if applicable? **[TODO]**
- 216 (c) Did you include the estimated hourly wage paid to participants and the total amount
217 spent on participant compensation? **[TODO]**

218 **A Appendix**

219 Include extra information in the appendix. This section will often be part of the supplemental material.
220 Please see the call on the NeurIPS website for links to additional guides on dataset publication.

- 221 1. Submission introducing new datasets must include the following in the supplementary
222 materials:
- 223 (a) Dataset documentation and intended uses. Recommended documentation frameworks
224 include datasheets for datasets, dataset nutrition labels, data statements for NLP, and
225 accountability frameworks.
- 226 (b) URL to website/platform where the dataset/benchmark can be viewed and downloaded
227 by the reviewers.
- 228 (c) Author statement that they bear all responsibility in case of violation of rights, etc., and
229 confirmation of the data license.
- 230 (d) Hosting, licensing, and maintenance plan. The choice of hosting platform is yours, as
231 long as you ensure access to the data (possibly through a curated interface) and will
232 provide the necessary maintenance.
- 233 2. To ensure accessibility, the supplementary materials for datasets must include the following:
- 234 (a) Links to access the dataset and its metadata. This can be hidden upon submission if the
235 dataset is not yet publicly available but must be added in the camera-ready version. In
236 select cases, e.g. when the data can only be released at a later date, this can be added
237 afterward. Simulation environments should link to (open source) code repositories.
- 238 (b) The dataset itself should ideally use an open and widely used data format. Provide a
239 detailed explanation on how the dataset can be read. For simulation environments, use
240 existing frameworks or explain how they can be used.
- 241 (c) Long-term preservation: It must be clear that the dataset will be available for a long time,
242 either by uploading to a data repository or by explaining how the authors themselves
243 will ensure this.
- 244 (d) Explicit license: Authors must choose a license, ideally a CC license for datasets, or an
245 open source license for code (e.g. RL environments).
- 246 (e) Add structured metadata to a dataset's meta-data page using Web standards (like
247 schema.org and DCAT): This allows it to be discovered and organized by anyone. If
248 you use an existing data repository, this is often done automatically.
- 249 (f) Highly recommended: a persistent dereferenceable identifier (e.g. a DOI minted by
250 a data repository or a prefix on identifiers.org) for datasets, or a code repository (e.g.
251 GitHub, GitLab,...) for code. If this is not possible or useful, please explain why.

- 252 3. For benchmarks, the supplementary materials must ensure that all results are easily repro-
253 ducible. Where possible, use a reproducibility framework such as the ML reproducibility
254 checklist, or otherwise guarantee that all results can be easily reproduced, i.e. all necessary
255 datasets, code, and evaluation procedures must be accessible and documented.
- 256 4. For papers introducing best practices in creating or curating datasets and benchmarks, the
257 above supplementary materials are not required.