
Submission and Formatting Instructions for International Conference on Machine Learning (ICML 2025)

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Abstract

This document provides a basic paper template and submission guidelines. Abstracts must be a single paragraph, ideally between 4–6 sentences long. Gross violations will trigger corrections at the camera-ready phase.

1. Electronic Submission

Submission to ICML 2023 will be entirely electronic, via a web site (not email). Information about the submission process and \LaTeX templates are available on the conference web site at:

<https://icml.cc/>

The guidelines below will be enforced for initial submissions and camera-ready copies. Here is a brief summary:

- Submissions must be in PDF.
- If your paper has appendices, submit the appendix together with the main body and the references as a **single file**. Reviewers will not look for appendices as a separate PDF file. So if you submit such an extra file, reviewers will very likely miss it.
- Page limit: The main body of the paper has to be fitted to 8 pages, excluding references and appendices; the space for the latter two is not limited in pages, but the total file size may not exceed 10MB. For the final version of the paper, authors can add one extra page to the main body.
- **Do not include author information or acknowledgements** in your initial submission.
- Your paper should be in **10 point Times font**.
- Make sure your PDF file only uses Type-1 fonts.
- Place figure captions *under* the figure (and omit titles from inside the graphic file itself). Place table captions *over* the table.

- References must include page numbers whenever possible and be as complete as possible. Place multiple citations in chronological order.
- Do not alter the style template; in particular, do not compress the paper format by reducing the vertical spaces.
- Keep your abstract brief and self-contained, one paragraph and roughly 4–6 sentences. Gross violations will require correction at the camera-ready phase. The title should have content words capitalized.

1.1. Submitting Papers

Anonymous Submission: ICML uses double-blind review: no identifying author information may appear on the title page or in the paper itself. Section 2.3 gives further details.

Authors must provide their manuscripts in **PDF** format. Furthermore, please make sure that files contain only embedded Type-1 fonts (e.g., using the program `pdffonts` in linux or using File/DocumentProperties/FONTs in Acrobat). Other fonts (like Type-3) might come from graphics files imported into the document.

Authors using **Word** must convert their document to PDF. Most of the latest versions of Word have the facility to do this automatically. Submissions will not be accepted in Word format or any format other than PDF. Really. We're not joking. Don't send Word.

Those who use **\LaTeX** should avoid including Type-3 fonts. Those using `latex` and `dvi`ps may need the following two commands:

```
dvips -Ppdf -tletter -G0 -o paper.ps paper.dvi  
ps2pdf paper.ps
```

It is a zero following the “-G”, which tells `dvips` to use the `config.pdf` file. Newer \TeX distributions don't always need this option.

Using `pdflatex` rather than `latex`, often gives better results. This program avoids the Type-3 font problem, and supports more advanced features in the `microtype` package.

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Graphics files should be a reasonable size, and included from an appropriate format. Use vector formats (.eps/.pdf) for plots, lossless bitmap formats (.png) for raster graphics with sharp lines, and jpeg for photo-like images.

The style file uses the `hyperref` package to make clickable links in documents. If this causes problems for you, add `nohyperref` as one of the options to the `icml2025` usepackage statement.

1.2. Submitting Final Camera-Ready Copy

The final versions of papers accepted for publication should follow the same format and naming convention as initial submissions, except that author information (names and affiliations) should be given. See Section 2.3.2 for formatting instructions.

The footnote, “Preliminary work. Under review by the International Conference on Machine Learning (ICML). Do not distribute.” must be modified to “*Proceedings of the 42nd International Conference on Machine Learning*, Vancouver, Canada. PMLR 267, 2025. Copyright 2025 by the author(s).

For those using the `LATeX` style file, this change (and others) is handled automatically by simply changing `\usepackage{icml2025}` to

`\usepackage[accepted]{icml2025}`

Authors using **Word** must edit the footnote on the first page of the document themselves.

Camera-ready copies should have the title of the paper as running head on each page except the first one. The running title consists of a single line centered above a horizontal rule which is 1 point thick. The running head should be centered, bold and in 9 point type. The rule should be 10 points above the main text. For those using the `LATeX` style file, the original title is automatically set as running head using the `fancyhdr` package which is included in the ICML 2025 style file package. In case that the original title exceeds the size restrictions, a shorter form can be supplied by using

`\icmltitlerunning{...}`

just before `\begin{document}`. Authors using **Word** must edit the header of the document themselves.

2. Format of the Paper

All submissions must follow the specified format.

2.1. Dimensions

The text of the paper should be formatted in two columns, with an overall width of 6.75 inches, height of 9.0 inches, and 0.25 inches between the columns. The left margin

should be 0.75 inches and the top margin 1.0 inch (2.54 cm). The right and bottom margins will depend on whether you print on US letter or A4 paper, but all final versions must be produced for US letter size. Do not write anything on the margins.

The paper body should be set in 10 point type with a vertical spacing of 11 points. Please use Times typeface throughout the text.

2.2. Title

The paper title should be set in 14 point bold type and centered between two horizontal rules that are 1 point thick, with 1.0 inch between the top rule and the top edge of the page. Capitalize the first letter of content words and put the rest of the title in lower case.

2.3. Author Information for Submission

ICML uses double-blind review, so author information must not appear. If you are using `LATeX` and the `icml2025.sty` file, use `\icmlauthor{...}` to specify authors and `\icmlaffiliation{...}` to specify affiliations. (Read the TeX code used to produce this document for an example usage.) The author information will not be printed unless `accepted` is passed as an argument to the style file. Submissions that include the author information will not be reviewed.

2.3.1. Self-Citations

If you are citing published papers for which you are an author, refer to yourself in the third person. In particular, do not use phrases that reveal your identity (e.g., “in previous work , we have shown ...”).

Do not anonymize citations in the reference section. The only exception are manuscripts that are not yet published (e.g., under submission). If you choose to refer to such unpublished manuscripts , anonymized copies have to be submitted as Supplementary Material via OpenReview. However, keep in mind that an ICML paper should be self contained and should contain sufficient detail for the reviewers to evaluate the work. In particular, reviewers are not required to look at the Supplementary Material when writing their review (they are not required to look at more than the first 8 pages of the submitted document).

2.3.2. Camera-Ready Author Information

If a paper is accepted, a final camera-ready copy must be prepared. For camera-ready papers, author information should start 0.3 inches below the bottom rule surrounding the title. The authors’ names should appear in 10 point bold type, in a row, separated by white space, and centered. Author names should not be broken across lines. Unbolded

110 superscripted numbers, starting 1, should be used to refer
111 to affiliations.

112 Affiliations should be numbered in the order of appearance.
113 A single footnote block of text should be used to list all
114 the affiliations. (Academic affiliations should list Department,
115 University, City, State/Region, Country. Similarly for
116 industrial affiliations.)
117

118 Each distinct affiliations should be listed once. If an author
119 has multiple affiliations, multiple superscripts should be
120 placed after the name, separated by thin spaces. If the au-
121 thors would like to highlight equal contribution by multiple
122 first authors, those authors should have an asterisk placed
123 after their name in superscript, and the term “*Equal contribu-
124 tion” should be placed in the footnote block ahead of the
125 list of affiliations. A list of corresponding authors and their
126 emails (in the format Full Name <email@domain.com>)
127 can follow the list of affiliations. Ideally only one or two
128 names should be listed.
129

130 A sample file with author names is included in the
131 ICML2025 style file package. Turn on the [accepted]
132 option to the stylefile to see the names rendered. All of the
133 guidelines above are implemented by the L^AT_EX style file.
134

135 **2.4. Abstract**

136 The paper abstract should begin in the left column,
137 0.4 inches below the final address. The heading ‘Abstract’
138 should be centered, bold, and in 11 point type. The abstract
139 body should use 10 point type, with a vertical spacing
140 of 11 points, and should be indented 0.25 inches more
141 than normal on left-hand and right-hand margins. Insert
142 0.4 inches of blank space after the body. Keep your abstract
143 brief and self-contained, limiting it to one paragraph and
144 roughly 4–6 sentences. Gross violations will require cor-
145 rection at the camera-ready phase.
146

147 **2.5. Partitioning the Text**

148 You should organize your paper into sections and para-
149 graphs to help readers place a structure on the material and
150 understand its contributions.
151

152 **2.5.1. Sections and Subsections**

153 Section headings should be numbered, flush left, and set in
154 11 pt bold type with the content words capitalized. Leave
155 0.25 inches of space before the heading and 0.15 inches
156 after the heading.
157

158 Similarly, subsection headings should be numbered, flush
159 left, and set in 10 pt bold type with the content words
160 capitalized. Leave 0.2 inches of space before the heading
161 and 0.13 inches afterward.
162

Finally, subsubsection headings should be numbered, flush
left, and set in 10 pt small caps with the content words
capitalized. Leave 0.18 inches of space before the heading
and 0.1 inches after the heading.

Please use no more than three levels of headings.

2.5.2. Paragraphs and Footnotes

Within each section or subsection, you should further par-
tition the paper into paragraphs. Do not indent the first
line of a given paragraph, but insert a blank line between
succeeding ones.

You can use footnotes¹ to provide readers with additional
information about a topic without interrupting the flow of
the paper. Indicate footnotes with a number in the text
where the point is most relevant. Place the footnote in
9 point type at the bottom of the column in which it appears.
Precede the first footnote in a column with a horizontal rule
of 0.8 inches.²

2.6. Figures

You may want to include figures in the paper to illustrate
your approach and results. Such artwork should be cen-
tered, legible, and separated from the text. Lines should be
dark and at least 0.5 points thick for purposes of reproduc-
tion, and text should not appear on a gray background.

Label all distinct components of each figure. If the figure
takes the form of a graph, then give a name for each axis and
include a legend that briefly describes each curve. Do not
include a title inside the figure; instead, the caption should
serve this function.

Number figures sequentially, placing the figure number and
caption *after* the graphics, with at least 0.1 inches of space
before the caption and 0.1 inches after it, as in Figure 1. The
figure caption should be set in 9 point type and centered
unless it runs two or more lines, in which case it should be
flush left. You may float figures to the top or bottom of a
column, and you may set wide figures across both columns
(use the environment `figure*` in L^AT_EX). Always place two-
column figures at the top or bottom of the page.

Add a dummy text here to get the same figure layout.
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed
do eiusmod tempor incididunt ut labore et dolore magna
aliquam quaerat voluptatem. Ut enim aequo doleamus an-
imo, cum corpore dolemus, fieri tamen permagna accessio
potest, si aliquod aeternum et infinitum impendere malum
nobis opinemur. Quod idem licet transferre in voluptatem,

¹Footnotes should be complete sentences.

²Multiple footnotes can appear in each column, in the same order
as they appear in the text, but spread them across columns and pages
if possible.

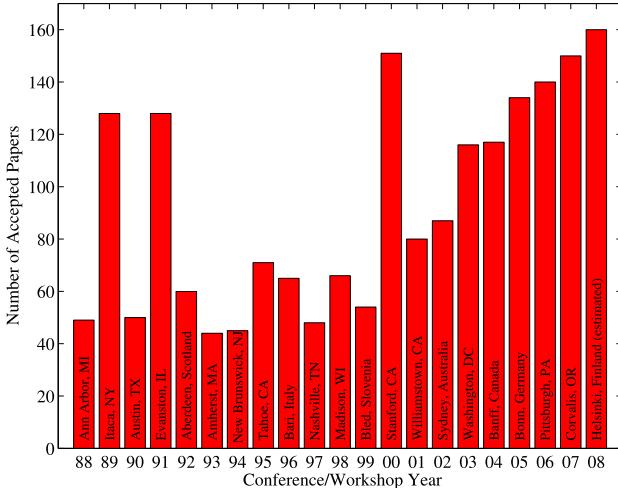


Figure 1. Historical locations and number of accepted papers for International Machine Learning Conferences (ICML 1993 – ICML 2008) and International Workshops on Machine Learning (ML 1988 – ML 1992). At the time this figure was produced, the number of accepted papers for ICML 2008 was unknown and instead estimated.

Algorithm 1 Bubble Sort

```

1: Input: data  $x_i$ , size  $m$ 
2: repeat
3:   Initialize  $noChange = true$ .
4:   for  $i = 1$  to  $m - 1$  do
5:     if  $x_i > x_{i+1}$  then
6:       Swap  $x_i$  and  $x_{i+1}$ 
7:        $noChange = false$ 
8:   until  $noChange$  is  $true$ 

```

ut postea variari voluptas distingue possit, augeri amplificarique non possit. At etiam Athenis, ut e patre audiebam facete et urbane Stoicos irridente, statua est in quo a nobis philosophia defensa et collaudata est, cum id, quod maxime placeat, facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam et.

2.7. Algorithms

If you are using LaTeX, please use the “algorithm” and “algorithms” environments to format pseudocode. These require the corresponding stylefiles, algorithm.sty and algorithms.sty, which are supplied with this package. Algorithm 1 shows an example.

2.8. Tables

You may also want to include tables that summarize material. Like figures, these should be centered, legible, and numbered consecutively. However, place the title *above* the table with at least 0.1 inches of space before the title and the same after it, as in Table 1. The table title should be set in

Table 1. Classification accuracies for naive Bayes and flexible Bayes on various data sets.

Data set	Naive	Flexible	Better?
Breast	95.9 ± 0.2	96.7 ± 0.2	\sqrt{x}
Cleveland	83.3 ± 0.6	80.0 ± 0.6	\times
Glass 2	61.9 ± 1.4	83.8 ± 0.7	\checkmark
Credit	74.8 ± 0.5	78.3 ± 0.6	
Horse	73.3 ± 0.9	69.7 ± 1.0	\times
Meta	67.1 ± 0.6	76.5 ± 0.5	\checkmark
Pima	75.1 ± 0.6	44.9 ± 0.6	
Vehicle	73.9 ± 0.5	61.5 ± 0.4	\checkmark
Vehicle	73.9 ± 0.5	61.5 ± 0.4	\checkmark

9 point type and centered unless it runs two or more lines, in which case it should be flush left.

Tables contain textual material, whereas figures contain graphical material. Specify the contents of each row and column in the table’s topmost row. Again, you may float tables to a column’s top or bottom, and set wide tables across both columns. Place two-column tables at the top or bottom of the page.

2.9. Theorems and such

The preferred way is to number definitions, propositions, lemmas, etc. consecutively, within sections, as shown below.

Definition 2.1. A function $f : X \rightarrow Y$ is injective if for any $x, y \in X$ different, $f(x) \neq f(y)$.

Using Definition 2.1 we immediate get the following result:

Proposition 2.2. If f is injective mapping a set X to another set Y , the cardinality of Y is at least as large as that of X

Proof Left as an exercise to the reader. \square

Lemma 2.3 stated next will prove to be useful.

Lemma 2.3. For any $f : X \rightarrow Y$ and $g : Y \rightarrow Z$ injective functions, $f \circ g$ is injective.

Theorem 2.4. If $f : X \rightarrow Y$ is bijective, the cardinality of X and Y are the same.

An easy corollary of Theorem 2.4 is the following:

Corollary 2.5. If $f : X \rightarrow Y$ is bijective, the cardinality of X is at least as large as that of Y .

Assumption 2.6. The set X is finite.

Remark 2.7. According to some, it is only the finite case (cf. Assumption 2.6) that is interesting.

2.10. Citations and References

Please use APA reference format regardless of your formatter or word processor. If you rely on the LATEX bibliographic

220 facility, use `natbib.sty` and `icml2025.bst` included in the
221 style-file package to obtain this format.

222 Citations within the text should include the authors' last
223 names and year. If the authors' names are included in the
224 sentence, place only the year in parentheses, for example
225 when referencing Arthur Samuel's pioneering work (1959).
226 Otherwise place the entire reference in parentheses with the
227 authors and year separated by a comma . List multiple ref-
228 erences separated by semicolons . Use the 'et al.' construct
229 only for citations with three or more authors or after listing
230 all authors to a publication in an earlier reference .
231

232 Authors should cite their own work in the third person in
233 the initial version of their paper submitted for blind review.
234 Please refer to Section 2.3 for detailed instructions on how
235 to cite your own papers.
236

237 Use an unnumbered first-level section heading for the ref-
238 erences, and use a hanging indent style, with the first line of
239 the reference flush against the left margin and subsequent
240 lines indented by 10 points. The references at the end of this
241 document give examples for journal articles , conference
242 publications , book chapters , books , edited volumes ,
243 technical reports , and dissertations .
244

245 Alphabetize references by the surnames of the first authors,
246 with single author entries preceding multiple author entries.
247 Order references for the same authors by year of publica-
248 tion, with the earliest first. Make sure that each reference
249 includes all relevant information (e.g., page numbers).

250 Please put some effort into making references complete,
251 presentable, and consistent, e.g. use the actual current name
252 of authors. If using bibtex, please protect capital letters
253 of names and abbreviations in titles, for example, use
254 `{B}ayesian` or `{L}ipschitz` in your .bib file.
255

256 3. Accessibility

258 Authors are kindly asked to make their submissions as
259 accessible as possible for everyone including people with
260 disabilities and sensory or neurological differences. Tips of
261 how to achieve this and what to pay attention to will be
262 provided on the conference website <http://icml.cc/>.
263

264 4. Software and Data

266 If a paper is accepted, we strongly encourage the publica-
267 tion of software and data with the camera-ready version
268 of the paper whenever appropriate. This can be done by
269 including a URL in the camera-ready copy. However, **do**
270 **not** include URLs that reveal your institution or identity in
271 your submission for review. Instead, provide an anonymous
272 URL or upload the material as "Supplementary Material"
273 into the OpenReview reviewing system. Note that review-
274

ers are not required to look at this material when writing
their review.

5. Acknowledgements

Do not include acknowledgements in the initial version of
the paper submitted for blind review.

If a paper is accepted, the final camera-ready version can
(and probably should) include acknowledgements. In this
case, please place such acknowledgements in an unnum-
bered section at the end of the paper. Typically, this will
include thanks to reviewers who gave useful comments,
to colleagues who contributed to the ideas, and to funding
agencies and corporate sponsors that provided financial
support.

References

Samuel, A. L. Some Studies in Machine Learning Using
the Game of Checkers. *IBM Journal of Research and
Development*, 3(3), 211–229, 1959.

A. You *can* have an appendix here.

You can have as much text here as you want. The main body must be at most 8 pages long. For the final version, one more page can be added. If you want, you can use an appendix like this one.