JASDS

INSTRUCTIONS/TEMPLATE FOR PREPARING MANUSCRIPT FOR JOURNAL OF APPLIED STATISTICS AND DATA SCIENCE (2021 VERSION) ← 14pt, bold, UPPERCASE

Author 1[1], Author 2[2] ← 11pt

[1]Institution of Author 1, Address of Author 1 Institution, Country ← 9pt
[2]Institution of Author 2, Address of Author 2 Institution, Country ← 9pt
Email: corresponding author email ← 9pt

Abstract ← 10pt, bold, center, italic

The abstract should be clear, concise, and descriptive. This abstract should provide a brief introduction to the problem, objective of paper, followed by a statement regarding the methodology and a brief summary of results. The abstract should end with a comment on the significance of the results or a brief conclusion. Abstracts are written in 10pt Times New Roman, preferably not more than 200 words.

Keywords: Maximum of 5 keywords separated by comma (,), crucial to the appropriate indexing of the papers, are to be given. e.g., Survey; Heteroscedastic; Hybrid; Stochastic Process, Word Cloud

Abstrak ← 10pt, bold, center, italic

Abstrak dibuat dalam 2 bahasa, yaitu bahasa Indonesia dan bahasa inggris. Edisi bahasa Indonesia merupakan terjemahan dari abstrak dalam bahasa inggris dengan format sama seperti abstrak dalam bahasa inggris.

Kata kunci: Maksimum terdiri dari 5 kata kunci yang dipisah oleh tanda koma (,)

This template is designed to assist Author in preparing the manuscript; it is an exact representation of the format expected by the editor. To use this template, please just *Save As* this MS Word file to your document, then copy and paste your document here. To copy and paste the text to this template document, please use "Special Paste" and choose "Unformatted Text". Journal of Applied Statistics and Data Science, an international journal, provides a forum for publishing the original research articles, review articles from contributors, and the novel technology news related to statistics and data science.

All papers submitted to the journal should be written in good English. Authors for whom English is not their native language are encouraged to have their paper checked before submission for grammar and clarity. English language and copyediting services can be provided by: International Science Editing and Asia Science Editing. The work should not have been published or submitted for publication elsewhere. The official language of the manuscript to be published in the Journal of Applied Statistics and Data Science is English.

METHOD ← 11pt, bold, UPPERCASE

General Organization of the Paper ← 11pt, Times New Roman, bold, Italic

The paper will be published in JASDS after a peer-reviewed process and decided "Accepted" by the Editor. The final paper layout will be reproduced by the Editorial Office of JASDS. The final paper layout in PDF type, known as "Uncorrected Proof" should be corrected by the Author. The final corrected proof will be published first in "Article In Press" pre-issue.

According to Engelmore and Morgan (1988), manuscript content should, in general, be organized in the following order: Title; Authors Name; Authors Affiliation; Abstract; Keywords; Methods; Results and Discussion; Conclusions; Acknowledgments; and References. Manuscript document submitted to this journal (in one MS Word or PDF file) should be arranged as follow:

a) Body text of manuscript article (from Title to References, without tables and figures)
b) Figure Captions and Table Captions
c) Figures (one figure per page)
d) Tables (one table per page)

Please include the Covering Letter in a separated document file containing your summary of scientific finding and uploaded in Supplementary Files.

Section Headings

Three levels of heading are allowed as follows:
- Level 1 (Heading1 format) - 11pt, Times bold, UPPERCASE, left justified
- Level 2 (Heading2 format) - 11pt, Times bold, Italic, left justified
- Level 3 (Heading3 format) - 11pt, Times bold, Italic, left justified

Body Text

The body of the text is a set of body text paragraphs defined as follows:
- 11pt Times New Roman
- One-half space, defined as 11pt
- Spacing after the heading is 3pt
- Spacing before the new heading is 6pt
- Indentation for the first line is 1 cm.

Bullets

There are two levels of allowed bulletin:
- This is the first bullet level
  - This is a sub-bullet level

Enumerated Lists

Lists are sequentially numbers as follows:

1. Spacing before the start of list is 3pt
2. Spacing after the end of list is 3pt

Tables

Tables are sequentially numbered with the table title and number above the table. Tables should be centered in the column OR on the page. Tables should be followed by a line space (11pt). Elements of a table should be single-spaced, however double spacing can be used to show groupings of data or to separate parts within the table. Table headings should be at 11pt. Tables are referred in the text by the table number. eg: Table 1. Do not show vertical lines in the table. There is only horizontal line should be shown within the table.

Figures

Figures are sequentially numbered commencing at 1 with the figure title and number below the figure as shown in Figure 1. Detailed recommendations for figures are as follows:

- Ensure that figures are clear and legible with typed letterings.
- Black & white or colored figures are allowed.
- If a figure spans two columns, it should be placed at the top or bottom of a page.
- Hard copy illustrations should, preferably, be scanned and included in the electronic version of the submission in an appropriate format as follows:
    - BMP - Microsoft bitmap file
    - WMF - Windows Metafile Format
    - EPS - Encapsulated Postscript
- If figures cannot be scanned, the original should be placed in its location within the manuscript using wax or colorless glue.
- The following files are permissible:
    - Microsoft Graph
    - Microsoft Draw

Figure 1 shows an included Microsoft Draw object.

Equations

Equations should be numbered serially within parentheses as shown in Equation (1). Equation should be prepared using MS Equation Editor (not in image format). The equation number is to be placed at the extreme right side.

$$\int_0^{r_2} F(r,\varphi)\, dr\, d\varphi = [\sigma\, r_2 / (2\mu_0)]$$

$$\cdot \int_0^{\infty} \exp(-\lambda\,|z_j - z_i\,|)\,\lambda^{-1}\, J_1(\lambda\, r_2)\, J_0(\lambda\, r_i)\, d\lambda\,. \tag{1}$$

Units, Abbreviations and Symbols

Metric units are preferred. Define abbreviations and symbols at the first time as they are introduced in the text.

RESULTS AND DISCUSSION ← 11pt, bold, UPPERCASE

Manuscript Heading, Font, and Spacing ← 11pt, Times New Roman, Bold, Italics

Manuscript should be typed using word processors (Microsoft Word or Open Office) software. The font used throughout the paper is Times New Roman. The paper size is A4 (i.e., 210 x 297 mm), one-column format with a 2.5 cm margin at the top, a 2.5 cm margin at the bottom, 2.5 cm margin on the left, and 2.5 cm margin on the right. Lines are one-half spaced, justified. Page numbers should be included in the text located in the header section of each page. Use of pronouns such as I, we etc is to be avoided.

Manuscript submitted to this journal should follow the heading below, except for the review article: Title; Authors Name; Authors Affiliation; Abstract; Keywords; Methods; Results and Discussion; Conclusions; Acknowledgments; and References.

Paper Title

This is your opportunity to attract the reader's attention. Remember that readers are the potential authors who will cite your article. Identify the main issue of the paper. Begin with the subject of the paper. The title should be accurate, unambiguous, specific, and complete. Do not contain infrequently-used abbreviations.

The title of the paper should be in 14 pt bold Times New Roman and be centered. The title should have 6 pts space above and 24 pts below.

Authors Name and Affiliations

Write Author(s) names without title and professional positions such as Prof, Dr, Production Manager, etc. Do not abbreviate your last/family name. Always give your First and Last names. Write clear affiliation of all Authors. Affiliation includes: name of department/unit, (faculty), name of university, address, country.

Author names should be in 11 pt Times Roman bold with 6 pt below. Author addresses are superscripted by numerals and centered over both columns of manuscripts. Author affiliations should be in 9 pt Times Roman. The body of the text should commence 1 line (12 points) below the last

address.

Abstract and Keywords

Abstract should stand alone, means that no citation in abstract. Consider it the advertisement of your article. Abstract should tell the prospective reader what you did and highlight the key findings. Avoid using technical jargon and uncommon abbreviations. You must be accurate, brief, clear and specific. Use words which reflect the precise meaning, Abstract should be precise and honest. Please follow word limitations (100-200 words).

Keywords are the labels of your manuscript and critical to correct indexing and searching. Therefore the keywords should represent the content and highlight of your article. Use only those abbreviations that are firmly established in the field. e.g. DNA. Each word/phrase in the keyword should be separated by a comma (,), not a semicolon (;).

Introduction

In **Introduction**, Authors should state the objectives of the work at the end of the introduction section. Before the objective, Authors should provide an adequate background, and very short literature survey in order to record the existing solutions/method, to show which is the best of previous researches, to show the main limitation of the previous researches, to show what do you hope to achieve (to solve the limitation), and to show the scientific merit or novelties of the paper. Avoid a detailed literature survey or a summary of the results.

Methods

Methods should make readers be able to reproduce the experiment. Provide sufficient detail to allow the work to be reproduced. Methods already published should be indicated by a reference: only relevant modifications should be described. Do not repeat the details of established methods.

Results and Discussion

Results should be clear and concise. The results should summarize (scientific) findings rather than providing data in great detail. Please highlight differences between your results or findings and the previous publications by other researchers.

The discussion should explore the significance of the results of the work, not repeat them. A combined Results and Discussion section is often appropriate. Avoid extensive citations and discussion of published literature.

In discussion, it is the most important section of your article. Here you get the chance to sell your data. Make the discussion corresponding to the results, but do not reiterate the results. Often should begin with a brief summary of the main scientific findings (not experimental results). The

following components should be covered in discussion: How do your results relate to the original question or objectives outlined in the Introduction section (what)? Do you provide interpretation scientifically for each of your results or findings presented (why)? Are your results consistent with what other investigators have reported (what else)? Or are there any differences?

CONCLUSION ← 11pt, bold, UPPERCASE

Conclusions should answer the objectives of research. Tells how your work advances the field from the present state of knowledge. Without clear Conclusions, reviewers and readers will find it difficult to judge the work, and whether or not it merits publication in the journal. Do not repeat the Abstract, or just list experimental results. Provide a clear scientific justification for your work, and indicate possible applications and extensions. You should also suggest future experiments and/or point out those that are underway.

ACKNOWLEDGMENTS ← 11pt, bold, UPPERCASE

Recognize those who helped in the research, especially funding supporters of your research. Include individuals who have assisted you in your study: Advisors, Financial supporters, or may other supporter i.e. Proofreaders, Typists, and Suppliers who may have given materials.

REFERENCES ← 11pt, bold, UPPERCASE

The main references are Books, International Journals, and Proceedings. All references should be to the most pertinent and up-to-date sources. They are at least 15 most recent - within the last 5 years - references with a minimum of 50% from reputable journal papers.

References are written in APA Style. Please use a consistent format for references – see examples below (11 pt):

Book:

Rice, J. A. (2006). *Mathematical statistics and data analysis*. Cengage Learning.

Cressie, N. A. C., & Wikle, C. K. (2011). *Statistics for spatio-temporal data* . Hoboken, N.J.: Wiley.

Book that consists of some articles:

McKenney, S., & Reeves, T. C. (2014). Educational design research. In Spector J., Merrill M., Elen J., Bishop M. (Eds.), *Handbook of Research on Educational Communications and Technology* (pp. 131-140). New York: Springer.

Proceeding, Conference:

Hoch, M., & Dreyfus, T. (2006). Structure sense versus manipulation skills: An unexpected result. In J. Novotna, H. Moraova, M. Kratka, & N. Stehlikova (Eds.), *Proceedings of the 30th Conference of the International Group for the Psychology of Mathematics Education* (Vol. 3,

pp. 305-312). Prague, Czech Republic: PME

Article in Journal:

Anselin, L. (2001). Spatial effects in econometric practice in environmental and resource economics. *American Journal of Agricultural Economics*, *83*(3), 705–710.

Wang, Z., & Lam, N. S. N. (2020). Extending Getis–Ord Statistics to Account for Local Space–Time Autocorrelation in Spatial Panel Data. *The Professional Geographer*, *72*(3), 411–420.

FIGURE CAPTIONS

Figure 1. A sample chart/figure

Figure 1. Logo

TABLE CAPTIONS

Table 1. Formatting Rules

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Object	Font	Alignment	Space above	Space below
Title	14pt bold	centered	6pt	24pt
Author(s)	11pt bold	centered	0pt	6pt
Addresses	9pt italics	centered	0pt	0pt
Heading1	11pt bold UPPERCASE	left	12pt	6pt
Heading2	11pt bold italics	left	3pt	3pt
Heading3	11pt bold italics	left	3pt	3pt
Body	11pt	justified	0pt	0pt
Bullet	11pt	justified	0pt	0pt
Table title	11pt	centered	6pt	3pt
Figure title	11pt	centered	3pt	6pt