

INFRAESTRUCTURA VIAL JOURNAL UNIVERSITY OF COSTA RICA

GUIDE FOR THE PRESENTATION OF A CASE STUDY

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SUMMARY

The abstract should not exceed 150 words, should be self-contained and should not require reference to the article to be understood. The abstract should present the objectives and scope of the study, or the motivation for writing the article, the methodology should be described only to the extent necessary for understanding, and the conclusions should be presented in a concise and informative manner. The abstract should not contain undefined terms or acronyms, references, equations or lists.

KEYWORDS: It is necessary to present at least 4 keywords that help identifying the article in an archival system.

ABSTRACT

Following the summary in Spanish, the same should be written in English. Do not exceed 150 words.

KEYWORDS: 4 keywords in English that identify the article should be presented.

GENERAL INSTRUCTIONS

The title of the paper should:

- Be representative of the content of the article.
- Not to exceed 85 characters.
- Presented in Spanish and English.
- Format: Arial font, 14 pt, centered, all caps and bold.

The minimum length of the document is 5 pages and the maximum length is 8 pages (including abstract and references). An abstract in Spanish and one in English of 150 words maximum must be included. It must include at least 10 references to bibliographic sources with a maximum of 15. Arial font, size 11 pt, single spaced, must be used. Titles must comply with the following format:

TITLES IN FIRST ORDER

(All capitalized, bold, on a separate line)

Second Order Titles

(Capital letters in each word, bold, on a separate line)

Third Order Titles

(Capitalization of each word, italics, on a separate line)

Fourth Order Titles

(Capital letter in each word, bold, on the same line as the text)

The structure of the document should include: introduction, presentation of the case, management (case approach), analysis of results and discussion. A conclusion section is not required, since the analysis section should include a closing and recommendations (if necessary) as follows:

- Introduction: consists of a description to contextualize the topic.
- Presentation of the case: the facts are described in as much detail as possible, describing what happened and how the case developed. The idea of this section is to go deeper into the phenomenon under analysis.
- Results: This section describes how the problem was approached and the results obtained. It is important in this section not to make conjectures about results, but rather to justify the reasons for the handling that was given.
- Discussion: this section should mention a hypothesis that partially or totally explains the result obtained. It is also important to identify any additional questions that arise in the case. For this type of article it is not the author's duty to provide a complete explanation of everything observed. Nor is it to list or generate all possible hypotheses that could explain the course of the condition. If there is a well-established element that illuminates the case, it should certainly be included. Finally, the lessons learned from this case are summarized.
- References: this section should include the references used for the development of the article. Only works cited in the article should be included in the list; if they were not cited in the text, they should not be included. It is recommended to use current sources (maximum 5 years), unless it is required to give context to the topic. Sources from internet pages, newspapers and magazines that are not scientific should be avoided; however, they can be used to give context to the topic. The citation format accepted by the journal is APA 6th edition.

It is highly recommended that the authors present photographs, graphs, charts, among other elements to support their observations and results. The guidelines for each are defined below.

Tables

The titles of the tables should be placed centered above the tables. Tables should be numbered correlatively to their appearance in the text, with the following format: first, the word "Table", then the number and period (Arial, bold, 11 pt). Then the description in normal text (Arial, 11 pt). When referencing them within the text, you should place

the first letter in capital letters (Table 1). If the table is not original (prepared from data sources that do not belong to the authors) the source should be referenced in parentheses.

Table 1. Example of a Table

Data 1	Data 2	Data 3
A	D	G
B	E	H
C	F	I

Figures

When articles are submitted for review, figures may be submitted inserted in the text. If the article is accepted for publication, the figures should be submitted later as separate files, in image format (.JPG, .PNG) with a minimum resolution of 300 dpi and a size of no less than 10 cm.

The titles of the Figures should be placed centered below them. Figures should be numbered correlatively to their appearance in the text, with the following format: first, the word "Figure", then the number and period (Arial, bold, 11 pt). Then the description in normal text (Arial, 11 pt). When referencing them within the text, the first letter should be capitalized (Figure 1). If the figure is not original (prepared from data sources that do not belong to the authors) the source should be referenced in parentheses.



Figure 1. Example of a figure

Equations

For the elaboration of the equations, the use of the Equation Editor application included with the Microsoft Office® software package is recommended. The equations that appear in the text will be numbered in sequential order, indicating their number to the right of the equations and in parentheses. All variables should be defined, either within the text or in a list displayed after the equation. Example:

$$N_f = k_1 \left(\frac{1}{\epsilon_t} \right)^{k_2} \quad (1)$$

where

N_f = number of repetitions at failure

ϵ_t = applied unit strain

k_1, k_2 = experimentally obtained regression coefficients

A minimum of 10 and a maximum of 15 references to bibliographic sources must be included, cited according to APA 6th edition format.