



Menoufia University
Faculty of Computers and Information

The International Journal of Computers and Information (IJCI)



Volume: 10 Issue: 1 (January 2023)

ISSN(Print): 1687-7853

ISSN(Online): 2735-3257

<https://ijci.journals.ekb.eg/>



International Journal of Computers and Information (IJCI)



Editor-in-chief *Prof. Dr. Hatem Abdul-Kader*

Co-Editor-in-chief *Prof. Dr. Khaled M. Amin*

Scientific Advisory Editor:

Prof. Dr. Ashraf Bahgat

Prof. Dr. Arabi Keshk

Prof. Dr. Osama Abdel Rahman

Prof. Dr. Hamdy Mousa

Prof. Dr. Noura Semary

Prof. Dr. Sherif El-etriby

Prof. Dr. Ibrahima Faye, Malaysia

Prof. Dr. Weizhe Zhang, China

Prof. Dr. Norimichi Tsumura, Japan

Prof. Dr. Doulkifli Boukra^a, Algeria

Prof. Dr. Mohammad Ayoub khan, Kingdom of Saudi Arabia

Sample paper

Click here, type the title of your paper, Capitalize first letter

First Author^a, Second Author^b, Third Author^{a,b,*}

^aFirst affiliation, Address, City and Postcode, Country

^bSecond affiliation, Address, City and Postcode, Country

Abstract

Here write your abstract

Keywords: Type your keywords here, separated by semicolons ;

1. Main text

Here write your paper in sections (**Introduction, Related Work, Proposed Work, Results and Discussion, conclusion, and References**). Inside section use font (Times New Roman 10 pt) all section titles must be **Bold**.

1.1. Figures

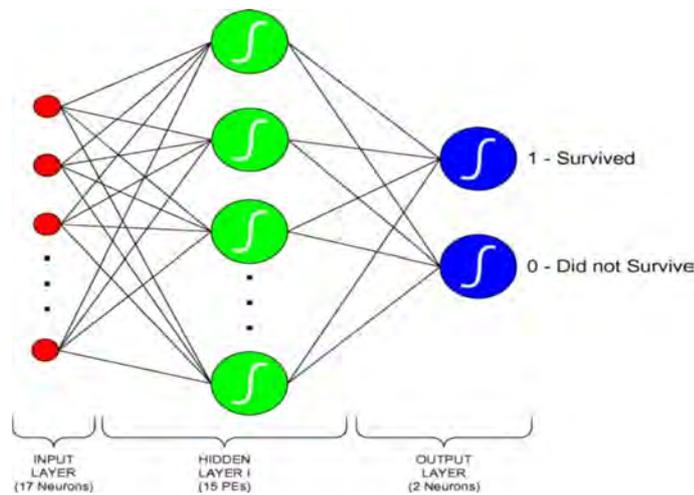


Fig. 1. Figure caption

1.2. Tables

All tables should be numbered with Arabic numerals. Headings should be placed above tables, left justified. Leave one-line space between the heading and the table. Only horizontal lines should be used within a table, to distinguish the column

headings from the body of the table, and immediately above and below the table. Tables must be embedded into the text and not supplied separately. Below is an example which authors may find useful.

Table 1. table caption

Col_1	Col_2
value	<i>value</i>
value	value
value	<i>value</i>

1.3. Equations

$$ri' = ri / \sum_{i=1}^{m_n} ri \tag{1}$$

1.4. Algorithms

Algorithm 1

Inputs:

Write the inputs of your algorithm here.

Parameters:

Write your algorithm parameters here.

Output:

Write the output of your algorithm here.

Steps:

- 1- The steps of your algorithm must be written here
 - 2-
 - 3-
 - 4- finish
-

References

- [1] Batista, Gustavo EAPA, Ronaldo C. Prati, and Maria Carolina Monard. "A study of the behavior of several methods for balancing machine learning training data." *ACM SIGKDD explorations newsletter* 6.1 (2004): 20-29.
- [2] Y. Sun, A. C. Wong and M. S. Kamel, "Classification of imbalanced data: A review", *Int. J. Pattern Recogn.*, vol. 23, no. 4, pp. 687-719, 2009.
- [3] L. Cao and Y. Zhai, "Imbalanced data classification based on a hybrid resampling svm method", *Ubiquitous Intelligence and Computing and 2015 IEEE 12th Intl Conf on Autonomic and Trusted Computing and 2015 IEEE 15th Intl Conf on Scalable Computing and Communications and Its Associated Workshops (UIC-ATC-ScalCom) 2015 IEEE 12th Intl Conf on*, pp. 1533-1536, 2015.
- [4] F. Thabtah, S. Hammoud, F. Kamalov and A. Gonsalves, "Data imbalance in classification: Experimental evaluation", *Inf. Sci.*, vol. 513, pp. 429-441, Mar. 2020.

Table of Contents(Vol. 10 Issue 1)

<i>Manuscript Title</i>	Page
A Comparative Analysis of COVID-19 Diagnosis Using Lung Ultrasound Based on Convolutional Neural Networks	1
Assessment Reliability for Open-Source Software using Probabilistic Models and Marine Predators Algorithm	18
Keystroke dynamics based user authentication using Histogram Gradient Boosting	36
Improved version of explainable decision forest: Forest-Based Tree	54
Arabic Language Sentiment Analysis using Bidirectional Long Short Term Memory	65
An evaluation framework for selecting cloud service provider in neutrosophic environment and Modified Generative Adversarial Network	78