

---

# Sample Paper of Special Interest Group on Artificial Intelligence Research

Fisher<sup>1</sup>

<sup>1</sup>Department of Computer Science, University A, City, Country

## Abstract

This document is a sample submission template for SIGAIR. Authors should summarize their contributions and key findings here in 150–250 words.

## 1. Introduction

Your introduction goes here. Explain the motivation, problem statement, and contribution summary. For example, prior works such as [1] proposed generative adversarial nets. When citing multiple related studies, group them as in [2, 3]. For works with many authors, refer to them using “et al.”, e.g., LeCun et al. [4].

## 2. Related Work

Discuss previous research that is related to your work.

## 3. Methodology

Provide technical details of your proposed method.

### 3.1 Mathematical Formulation

Here is an example equation:

$$\mathcal{L}(x, y) = - \sum_{i=1}^C y_i \log p(y_i|x) \quad (1)$$

where  $C$  is the number of classes,  $y_i$  is the one-hot label, and  $p(y_i|x)$  is the predicted probability.

### 3.2 Figures

Figure 1 illustrates a sample figure.

### 3.3 Tables

Table 1 shows a sample table.

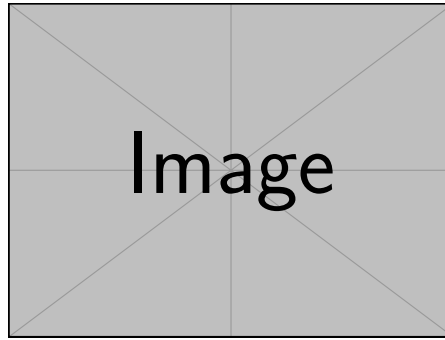


Figure 1: An example figure.

Table 1: Example classification results.

Method	Accuracy (%)	F1 Score
Baseline	85.3	0.83
Proposed	<b>89.7</b>	<b>0.87</b>

## 4. Experiments

Describe your experimental setup and present results.

## 5. Conclusion

Summarize findings and suggest future directions.

## Acknowledgment

(Optional) Acknowledge funding sources, collaborators, etc.

## Author Guidelines

Submissions to the *Special Interest Group on Artificial Intelligence Research* (SIGAIR) must adhere to the following guidelines to ensure quality, clarity, and consistency:

- Manuscripts must be written in clear English using the official SIGAIR L<sup>A</sup>T<sub>E</sub>X template.
- Paper length should be **4–12 pages**, excluding references and appendices.
- All figures and tables must be clearly labeled and placed near their first mention.
- References must be included using BibT<sub>E</sub>X and follow a consistent style (e.g., **plain**, **ieeetr**).
- All listed authors must meet authorship criteria; contributor roles should be acknowledged separately.
- Supplementary material (code, data, etc.) is encouraged.

- Accepted manuscript types include: Research Articles, Surveys, Theoretical Papers, Method Articles, Case Studies, Perspective Pieces, Negative Results, Tutorials, and more.

## Copyright Notice

Authors retain copyright and grant SIGAIR the right of first publication. All articles are published under the CC BY 4.0 license, allowing unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

## References

- [1] I. J. Goodfellow, J. Pouget-Abadie, M. Mirza, B. Xu, D. Warde-Farley, S. Ozair, A. Courville, and Y. Bengio, “Generative adversarial nets,” *Advances in neural information processing systems*, vol. 27, 2014.
- [2] Y. Bengio, P. Simard, and P. Frasconi, “Learning long-term dependencies with gradient descent is difficult,” *IEEE transactions on neural networks*, vol. 5, no. 2, pp. 157–166, 1994.
- [3] G. E. Hinton, “Learning multiple layers of representation,” *Trends in cognitive sciences*, vol. 11, no. 10, pp. 428–434, 2007.
- [4] Y. LeCun, L. Bottou, Y. Bengio, and P. Haffner, “Gradient-based learning applied to document recognition,” *Proceedings of the IEEE*, vol. 86, no. 11, pp. 2278–2324, 2002.