
Exploring Different Approaches to Improve Classification Performance for Imbalanced Data Set

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Abstract

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1 Introduction

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1.1 sub

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1.2 sub

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2 Related Work

This is related work section.

3 Dataset and Settings

The data set is drawn from the UCI Machine Learning Repository. It contains general information of 48843 individuals and whether or not they make more than 50K every year. The goal is to build a model based on this data set, that can accurately predict the annual income of a given person. Table 1 shows a list of attributes in the data set.

3.1 sub

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This is experiments section.

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This is discussion section.

5.1 sub

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References

References follow the acknowledgments. Use unnumbered first-level heading for the references. Any choice of citation style is acceptable as long as you are consistent. It is permissible to reduce the font size to `small` (9 point) when listing the references. **Remember that you can use more than eight pages as long as the additional pages contain *only* cited references.**

[1] Alexander, J.A. & Mozer, M.C. (1995) Template-based algorithms for connectionist rule extraction. In G. Tesauro, D.S. Touretzky and T.K. Leen (eds.), *Advances in Neural Information Processing Systems 7*, pp. 609–616. Cambridge, MA: MIT Press.

[2] Bower, J.M. & Beeman, D. (1995) *The Book of GENESIS: Exploring Realistic Neural Models with the GEneral NEural Simulation System*. New York: TELOS/Springer-Verlag.

[3] Hasselmo, M.E., Schnell, E. & Barkai, E. (1995) Dynamics of learning and recall at excitatory recurrent synapses and cholinergic modulation in rat hippocampal region CA3. *Journal of Neuroscience* **15**(7):5249-5262.