Table 1: Sample table title

PART	DESCRIPTION
Dendrite	Input terminal
Axon	Output terminal
Soma	Cell body (contains cell nucleus)

10-601b: Mid-term report

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`email`

Abstract

In this report, we list the results we've achieved for classifying the subset of the CIFAR-10 dataset. We use the K-nearest neighbours and SVM to achieve an accuracy of X% and Y% respectively.

1 Introduction

- The problem statement
- The Cifar-10 dataset
- Our approaches

2 Exploratory data analysis

- How we intend to test our results
- Distribution of the various labels
- Color variance of the dataset
- Average image of each label class
- Average HOG in each label class

3 Classification with K-means and K-Nearest Neighbours

Something

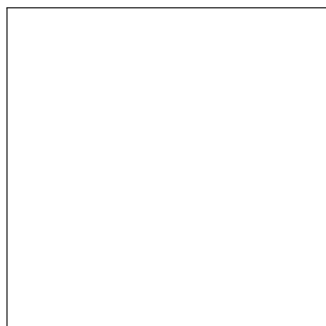## 4 Support vector machines

Something

Figure 1: Sample figure caption.

Acknowledgments

Use unnumbered third level headings for the acknowledgments. All acknowledgments go at the end of the paper. Do not include acknowledgments in the anonymized submission, only in the final paper.

References

References follow the acknowledgments. Use unnumbered third 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 this year you can use a ninth page as long as it contains *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.