

Bare Demo of IEEEtran.cls for Journals

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Abstract—The abstract goes here.

Index Terms—IEEEtran, journal, LATEX, paper, template.

I. INTRODUCTION

THIS demo file is intended to serve as a “starter file” for IEEE journal papers produced under LATEX using IEEEtran.cls version 1.8 and later. I wish you the best of success.

mds

December 27, 2012

A. *Histrico*

B. *Neurnio*

A linear classifier achieves this by making a classification decision based on the value of a linear combination of the characteristics. An object’s characteristics are also known as feature values and are typically presented to the machine in a vector called a feature vector.

A linear combination is an expression constructed from a set of terms by multiplying each term by a constant and adding the results (e.g. a linear combination of x and y would be any expression of the form $ax + by$, where a and b are constants). Suppose that K is a field (for example, the real numbers) and V is a vector space over K . As usual, we call elements of V vectors and call elements of K scalars. If v_1, \dots, v_n are vectors and a_1, \dots, a_n are scalars, then the linear combination of those vectors with those scalars as coefficients is.

$$a_1 v_1 + a_2 v_2 + a_3 v_3 + \dots + a_n v_n$$

If the input feature vector to the classifier is a real vector \vec{x} , then the output score is

$y = f(\vec{w} \cdot \vec{x}) = f\left(\sum_j w_j x_j\right)$, where \vec{w} is a real vector of weights and f is a function that converts the dot product of the two vectors into the desired output. (In other words, \vec{w} is a one-form or linear functional mapping \vec{x} onto \mathbb{R} .) The weight vector \vec{w} is learned from a set of labeled training samples. Often f is a simple function that maps all values above a certain threshold to the first class and all other values to the second class.

1) *Subsubsection Heading Here*: Subsubsection text here.

II. CONCLUSION

The conclusion goes here.

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APPENDIX A

PROOF OF THE FIRST ZONKLAR EQUATION

Appendix one text goes here.

APPENDIX B

Appendix two text goes here.

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REFERENCES

- [1] H. Kopka and P. W. Daly, *A Guide to LATEX*, 3rd ed. Harlow, England: Addison-Wesley, 1999.

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Michael Shell Biography text here.

John Doe Biography text here.

Jane Doe Biography text here.