Things to do

Applying Learning Classifier Systems to Acoustic Scene Classification: DCASE 2017 Challenge

CITS4404 Artificial Intelligence & Adaptive Systems Team Project

Yiyang Gao (00000000), Aaron Hurst (21325887), Kevin Kuek (00000000), and Scott McCormack (00000000)

School of Computer Science and Software Engineering

3rd November, 2017

Abstract

This will be our abstract
Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

1 Introduction

Test citation: [1]

motivation for feature choices

- feautres don't vary a lot across a file (low standard deviation)

- need to reduce the number of features

2 Literature Review

2.1 Learning Classifier Systems

2.2 DCASE Challenge

2.3 Acoustic Scene Classification

3 Experiment

- Feature Extraction

- Description of the code (the one we made outselved and Urbaonwicz's)

- Parameters used

4 Retults

- Rate of learning (improvement in accuracy over time)

- Overall results: pairwise, all classes at once (confusion matrices)

5 Discussion

6 Conclusion

References

[1] J. M. Anderson, K. Nidhi, K. D. Stanley, P. Sorensen, C. Samaras, and O. A. Oluwatola, *Autonomous Vehicle Technology: A Guide for Policymakers.* Rand Corporation, 2016.