Robot Project

Rune A. Heick, RenÃl' Arendt SÃÿrensen & Nicolai Glud

Aarhus University, Department of Engineering

Abstract

The Content of this paper seeks to present the knowledge gained throughout the AI in Robotics and kalman filters reading course from Aarhus University, department of engineering.

I. Introduction

The idea behind the project is to recognise the speaker using the methods and categorisers learned in the course pattern recognition and machine learning (TINONS). The voices of all authors was recorded and imported to matlab. The features from the data was extracted in matlab using the Mel-frequency cepstral coefficient(Hereafter MFCC) method from the voicebox toolbox. The MFCC's are used as features for the classifiers that are tested in this paper.

II. Results

Compare all the methods in a table in order to show the performance.

III. Discussion

I. Subsection One

Sed commodo posuere pede. Mauris ut est. Ut quis purus. Sed ac odio. Sed vehicula hendrerit sem. Duis non odio. Morbi ut dui. Sed accumsan risus eget odio. In hac habitasse platea dictumst. Pellentesque non elit. Fusce sed justo eu urna porta tincidunt. Mauris felis odio, sollicitudin sed, volutpat a, ornare ac, erat. Morbi quis dolor. Donec pellentesque, erat ac sagittis semper, nunc dui lobortis purus, quis congue purus metus ultricies tellus. Proin et quam. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos hymenaeos. Praesent sapien turpis, fermentum vel, eleifend faucibus, vehicula eu, lacus.

II. Subsection Two

Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Donec odio elit, dictum in, hendrerit sit amet, egestas sed, leo. Praesent feugiat sapien aliquet odio. Integer vitae justo. Aliquam vestibulum fringilla lorem. Sed neque lectus, consectetuer at, consectetuer sed, eleifend ac, lectus. Nulla facilisi. Pellentesque eget lectus. Proin eu metus. Sed porttitor. In hac habitasse platea dictumst. Suspendisse eu lectus. Ut mi mi, lacinia sit amet, placerat et, mollis vitae, dui. Sed ante tellus, tristique ut, iaculis eu, malesuada ac, dui. Mauris nibh leo, facilisis non, adipiscing quis, ultrices a, dui.

IV. Conclusion

References

[Figueredo and Wolf, 2009] Figueredo, A. J. and Wolf, P. S. A. (2009). Assortative pairing and life history strategy - a cross-cultural study. *Human Nature*, 20:317–330.