





Prototype Demo

Firing up A Cappella!

A Cappella is ready...start singing at any time!

2016-03-21 05:27:50.320 python[89922:13741878] 05:27:50.319 MARNING: 140:
This application, or a library it uses, is using the deprecated Carbon Component Manager for hosting Audio Units. Support for this will be removed in a future release. Also, this makes the host incompatible with version 3 audio units. Please transition to the API's in AudioComponent.h.

PREDICTED SOLOIST AT: 00:39
playing at 00:39 with time delay of 1.1646668911

2016-03-21 05:27:55.599 python[89922:13741987] 05:27:55.599 WARNING: 140:
This application, or a library it uses, is using the deprecated Carbon Component Manager for hosting Audio Units. Support for this will be removed in a future release. Also, this makes the host incompatible with version 3 audio units. Please transition to the API's in AudioComponent.h.

Soloist

Outcomes

Performance

 ~70% Cross-Validation accuracy with Linear Support Vector Classifier (with 270 classes)

Future Enhancements

- Further tuning for faster and more accurate predictions
- User Controls
- Graphical User Interface

Thank You!

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