

Final: MiniMIREX

Friday, July 16, 2010

9:00AM

PURPOSE

Apply everything you've learned to build the very best 10-genre classifier you can!

INSTRUCTIONS

Build a genre classifier on the RWC dataset, using the techniques of your choice. You may use Matlab or Weka. Use cross-validation on RWC to informally test the classifiers you build and choose the best, but be careful not to overfit!

Your classifier should output a number from 1 to 10, according to each genre of RWC in alphabetical order:

- 1 – Classical
- 2 – Dance
- 3 – Jazz
- 4 – Latin
- 5 – March
- 6 – Popular
- 7 – Rock
- 8 – Traditional Japanese
- 9 – Vocal
- 10 – World

Also write a function (if you're using Matlab) to pass in an arbitrary .MAT file for each **test song** in a given directory (not in your RWC set) and apply your final classifier to these songs, outputting a genre label number for each one.

At 4:30PM, we will disclose the location of the test song directory, and ask you all to run your best classifier on the songs in that directory and give us the results.

The classifier that achieves the highest accuracy on the test data wins!

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