CS6690 : Pattern Recognition

Assignment-5 (Non parametric methods)

The following classifiers need to be implemented on the respective dataset.

1. Bayes' classifier on Parzen window method using Gaussian kernel (h to b empirically chosen)
2. Fisher discriminant based classifier
3. Perceptron based classifier
4. Support vector machine based classifier (using linear kernel). (Please go through this link to know more about libsvm library download the library according to your system configurations. There are other tools available for SVM, its not mandatory that you use libsvm, but it is convenient.)
5. Multi-layer feed-forward neural network based classifier

The Datasets are from the previous assignments so use group mappings given during those assignments only.

- Classifiers 1,2,3: Image data
- Classifiers 4,5: Speech and OCR data

Guidelines are same as that of the previous assignment.

Submission status

Submission status	No attempt
Grading status	Not graded
Due date	Thursday, 16 November 2017, 11:55 PM
Time remaining	11 days 3 hours
Last modified	-
Submission comments	▶ Comments (0)

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NAVIGATION ⊟ ◰

Dashboard
- Site home

  Site pages

  My courses

  CS1100:JUL-NOV 2017

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  CS6023:JUL-NOV 2017

  CS6690:JUL-NOV 2017

  Participants

  🏆 Badges

  ◮ Competencies

  ▦ Grades

  General

  Scribes

  Tutorials

  Exams

  Assignments

  📄 Assignment-1 (SVD-EVD and Regression)

  📄 Assignment-2 (Bayesian Classifier)

  📄 Assignment-3 (GMMs)

  📄 Assignment-4 (HMM & DTW)

  📄 **Assignment-5 (Non parametric methods)**

  Books you can refer

  Resources

  Additional Resources

  Topic 8

  Topic 9

  Topic 10

  Topic 11

  Topic 12

  Topic 13

  Topic 14

  Topic 15

  Topic 16

  Topic 17

  Topic 18

  Topic 19

  Topic 20

  ID6020:JUL-NOV 2017