Graphical user interface, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface

Description automatically generated

Graphical user interface, application

Description automatically generated

Graphical user interface

Description automatically generated

Graphical user interface

Description automatically generated with low confidence

The 3-estimator GMM is better than 2-estimator GMM in all iterations in terms of log-likelihood.

Graphical user interface, application

Description automatically generated

Graphical user interface, text, application

Description automatically generatedGraphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, application

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

Looking along the false alarm rate axis, we can see that the Fisher method is better than the others clearly. This may be due to the Fisher algo. incorporate the class of the data into its consideration. However, it seems that the PCA at k=10 underperforms the no projection method. To my mind, this is owing to the number of eigen vectors which were used was too small.