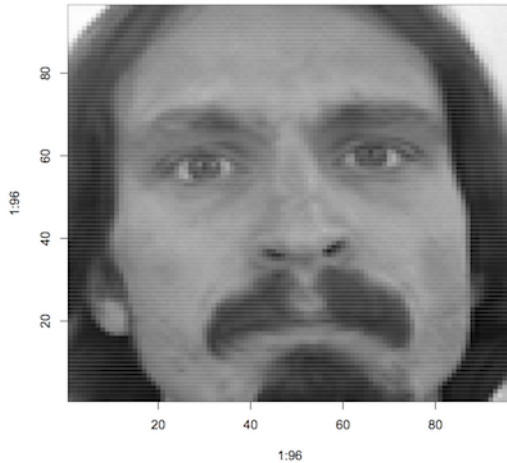


Facial Keypoints Detection

Supervisor: Ben Graham

Here is a picture of a face, stored as a 96x96 gray scale image:



That is not me by the way. There is an ongoing Kaggle competition [1], due to finish on 31 December 2014, where the challenge is to locate in the picture the facial keypoints: the eyes, eyebrows, nose, and so on.

Many modern cameras perform a similar task to help focus when taking pictures of people.

The aim of this project is to study the existing algorithms for facial keypoint detection and ~~win~~ compete in the Kaggle competition.

Experience with programming in R or Python required.

1. <http://www.kaggle.com/c/facial-keypoints-detection>
2. Paul Viola and Michael Jones, Robust Real-time Object Detection, International Journal of Computer Vision, 2001