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## Implementing EM for Gaussian mixtures

In this assignment you will

- implement the EM algorithm for a Gaussian mixture model
- apply your implementation to cluster images
- explore clustering results and interpret the output of the EM algorithm


### If you are using Turi Create

An IPython Notebook has been provided below to you for this assignment. This notebook contains the instructions, quiz questions and partially-completed code for you to use as well as some cells to test your code.

- Download the image dataset in SFrame format:

**images.sf**


ZIP File

Download file 

- Download the companion IPython notebook:

**CLU04-NB01.ipynb**

ZIP File

Download file 

- Download the sample picture: (Choose "Save Link As..." from the context menu)

Image 1



Image 2

