

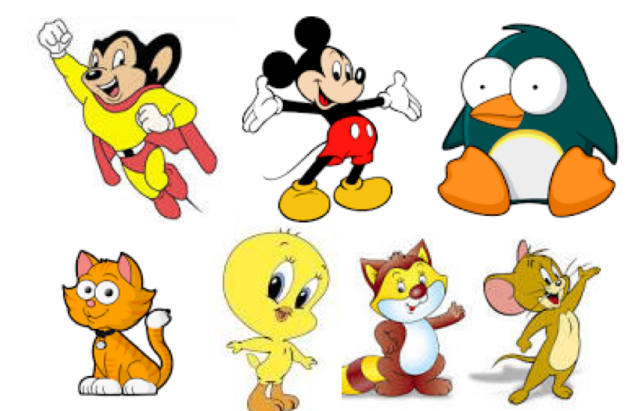
# IERG 4190 Project 2

## Cartoon vs. Natural Images

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**Due: Nov 9, 2015**

Cartoon and Natural images are very different types of images (see below). In many applications, it is useful to distinguish between these two kinds of images.



Cartoon



Natural Images

In this project, the task is very simple: write a function to tell cartoon from natural images. A set of 200 cartoon images and 200 natural images are provided for you to develop your algorithm. For example, if your algorithm has several parameters, you may rely on these images to tune the values of those parameters. Your submitted codes will be evaluated on another dataset that is not released yet. The performance is measured in terms of *correct rate*.

**Hint:** a cartoon image is generally characterized by large constant-color regions (or regions with very small variations in color) and high-contrasted edges. You may write a function to compute a *score* that captures such characteristics in certain way, and produce the decision by comparing the score with a threshold.