

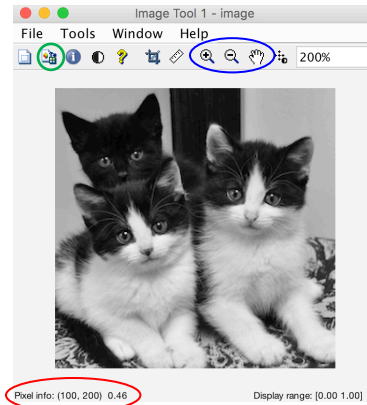
Reading and displaying images

We will initially work with images that have brightness values ranging from black (0.0) to white (1.0), with shades of gray in between ($0.0 < b < 1.0$)

Read & display `kittens.png` image in the `assign3_exercises` folder

```
>> image = imread('kittens.png');  
>> image = double(image)/255;  
>> imshow(image);  
>> imtool(image);
```

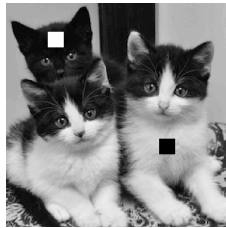
- what is the image size?
- observe **pixel info** as you move the cursor
- explore the **pixel region tool**
- **zoom in, zoom out & pan**



Matrices 6-1

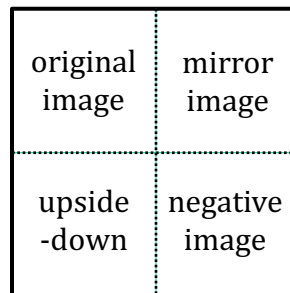
Exercises with images

Create a new image named `clip` that just contains the face of the rightmost kitten



Create a copy of `image` with a patch of uniform brightness on one of the kittens (any kitten & any brightness)

Create a new image named `combo` that's twice the size of `image` and contains these 4 sub-images



Matrices 6-2