**Read/Show:**

w=imread('CT-head.jpg');

figure,imshow(w)

;

imshow('wombats.tif')

imfinfo('emu.tif')

**Resolution:**

x=imread('newborn.tif');

figure,imshow(x)

xn=imresize(imresize(x,1/4),4);

figure,imshow(xn)

imresize(imresize(x,1/8),8);

imresize(imresize(x,1/16),16);

imresize(imresize(x,1/32),32);

**Histogram:**

>> w=imread('CT-head.jpg');

>> imshow(w),figure,imhist(w),axis tight

p=imread('pout.tif');

>> ph=histeq(p);

>> imshow(ph),figure,imhist(ph),axis tight

**Noise Analysis:**

ref = imread('pout.tif');

A = imnoise(ref,'salt & pepper', 0.02);

tw=imread('twins.tif');

tn=imnoise(tw,'salt & pepper');

imshow(tn)

tr=medfilt2(tn);

imshow(tr)

Filter:

>> fspecial('average',[5,7])

>> c=imread('cameraman.tif');

>> f1=fspecial('average');

>> cf1=filter2(f1,c);

>> figure,imshow(c),figure,imshow(cf1/255)

**Edge detection:**

ic=imread('ic.tif');

edge\_p=edge(ic,'prewitt');

>> figure,imshow(edge\_p)

>> edge\_r=edge(ic,'roberts');

>> figure,imshow(edge\_r)

>> edge\_s=edge(ic,'sobel');

>> figure,imshow(edge\_s)