
```
% Main Image
Main_img = imread('Image.jpg');
gray = rgb2gray(Main_img);
noisy = imnoise(gray, 'salt & pepper', 0.05); % 5% noise
figure(1);
imshow(noisy);
title('Salt & Pepper Noise');

% Median Filter
median_filter = medfilt2(gray,[3 3]);
figure(2);
imshow(median_filter);
title('Median Filter');

% Max Filter
Max_filtered = imdilate(noisy, ones(3,3));
figure(3);
imshow(Max_filtered);
title('Max Filter');

% Min Filter
min_filtered = imerode(noisy, ones(3,3));
figure(4);
imshow(min_filtered);
title('Min Filter');

% Mean Filter
Mean_Filter = imfilter(noisy, fspecial('average', [3 3]));
figure(5);
imshow(Mean_Filter);
title('Mean Filter');
```

Salt & Pepper Noise



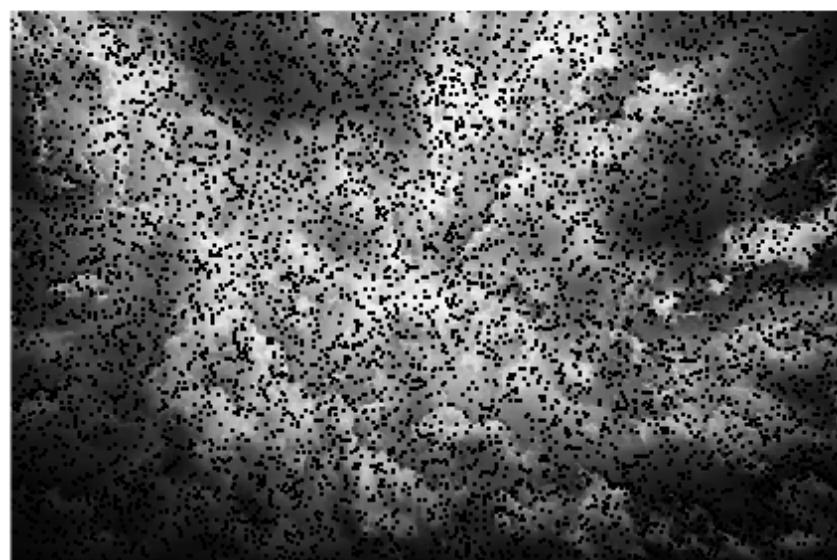
Median Filter



Max Filter



Min Filter



Mean Filter



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