

smoothing

January 31, 2024

```
[ ]: import cv2 as cv
```

```
[ ]: img = cv.imread('Images/cat.jpg')  
cv.imshow('Cat', img)
```

veraging

```
[ ]: average = cv.blur(img, (7,7))# increasing the kernel size will blur more like  
    ↪ (9,9)  
cv.imshow('Average Blur', average)
```

Gaussian

```
[ ]: gauss = cv.GaussianBlur(img, (7,7), 0)  
cv.imshow('Gaussian Blur', gauss)
```

Median

```
[ ]: median = cv.medianBlur(img, 3)# increasing the kernel size will blur more like 7  
cv.imshow('Median Blur', median)
```

Bilateral

```
[ ]: bilateral = cv.bilateralFilter(img, 10, 35, 25)# 10 = diameter, 35 = sigma  
    ↪ color, 25 = sigma space  
cv.imshow('Bilateral Blur', bilateral)
```

```
[ ]: cv.waitKey(0)
```