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```
clc;
clear all;
close all;

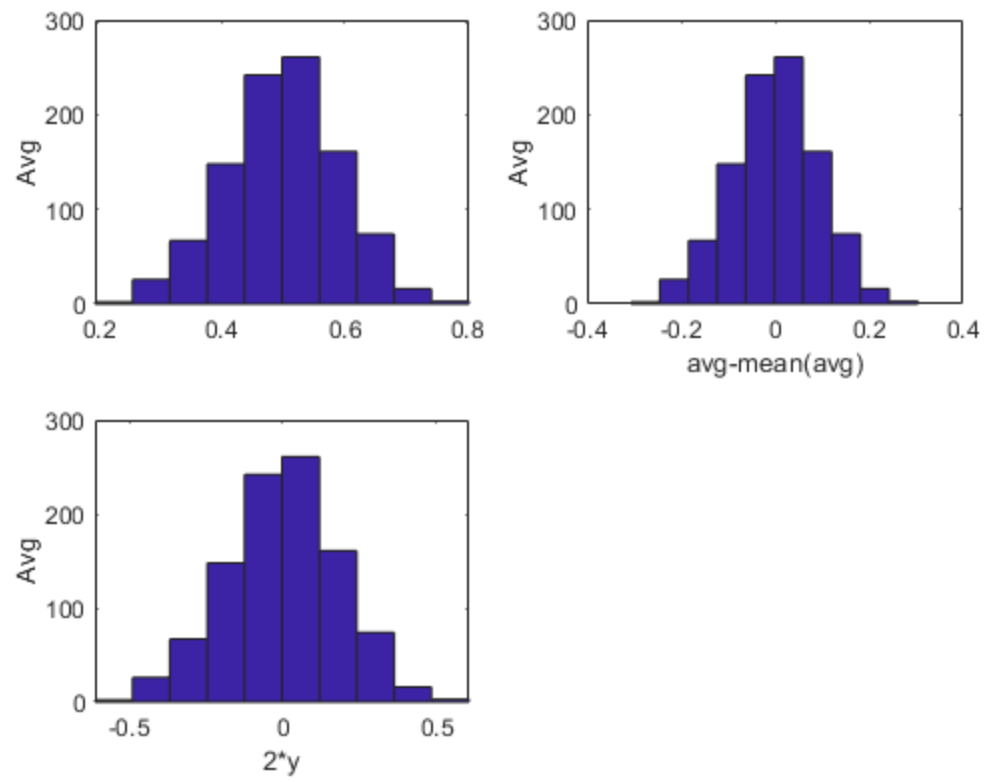
sum = 0;
n = 1000;
a = rand(1,n);
b = rand(1,n);
c = rand(1,n);
d = rand(1,n);
e = rand(1,n);
f = rand(1,n);
g = rand(1,n);
h = rand(1,n);
x = rand(1,n);
y = rand(1,n);

sum=a+b+c+d+e+f+g+h+x+y;

avg = sum/10;
subplot(221);
hist(avg);
xlabel('SNR');
ylabel('Avg');

y = avg-mean(avg);
subplot(222)
hist(y);
xlabel('avg-mean(avg)');ylabel('Avg');

subplot(223)
y1=2*y;
hist(y1);
xlabel('2*y');ylabel('Avg');
```



*Published with MATLAB® R2018b*