

```
bin = [ 1 3 6 12 24 ];
freq = [0.117 0.201 0.16 0.196 0.161 ];
```

```
% Edges pro Klasse, Intervall
```

The screenshot shows the MATLAB environment with the following components:

- Script Editor:** Contains the following code:


```

25 a = 5;
26 nb = length(bin);
27 dx = diff([0 bin]);
28 low = [0 bin]; % lower class-Edge
29
30 if a <=bin(1)
31     z = (a-low(1))/dx(1);
32     p = (z*freq(1));
33 elseif bin(1) < a && a<= bin(2)
34     z = (a-low(2))/dx(2);
35     p = F(1)+(z*freq(2));
36 elseif bin(2) < a && a<= bin(3)
37     z = (a-low(3))/dx(3);
38     p = F(2)+(z*freq(3));
39 elseif bin(3) < a && a<= bin(4)
40     z = (a-low(4))/dx(4);
41     p = F(3)+(z*freq(4));
42 elseif bin(4) < a && a<= bin(5)
43     z = (a-low(4))/dx(5);
44     p = F(4)+(z*freq(5));
45 end
46 z
47 p
48 z2 = a/dx(find(a<=bin,1));
      
```
- Workspace:** A table listing variables:

Name	Size	Bytes	Class
F	1x5	40	doub
a	1x1	8	doub
ans	1x1	8	doub
bin	1x5	40	doub
dx	1x5	40	doub
freq	1x5	40	doub
hF	1x5	40	doub
hT	1x1	8	doub
hb	1x1	8	doub
low	1x6	48	doub
nb	1x1	8	doub
p	1x1	8	doub
width	1x1	8	doub
xt	1x5	40	doub
xtnew	1x6	48	doub
z	1x1	8	doub
- Command Window:** Shows the output of the script:


```

z =
    0.66667
p =
    0.42467
??? Error using ==> find
Too many input arguments.
Error in ==> C:\Dokumente und Einstellungen\Koernig_Uwe\Eigene Dateien\Matlab\_Matlab\_Matlab_Sim_Verteilgn\_Statistik + Stochastic + pie3\_Log-Normal Vertlg\_Verteilungs_Func_Klassenbreiten.m
On line 48 ==> z2 = a/dx(find(a<=bin,1));
      
```
- Command History:** Shows the command 'b' entered at 8/04/13 7:00.
- Current Directory:** Shows the path 'All Files'.