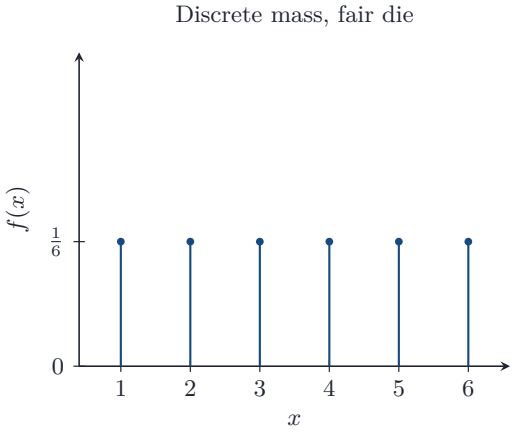
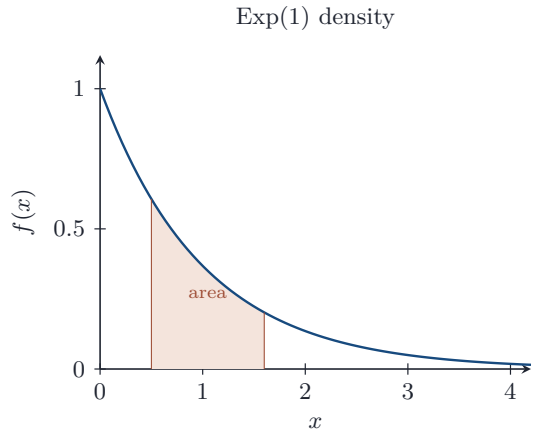
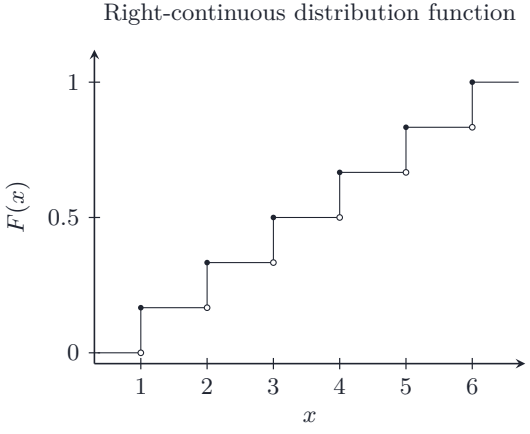
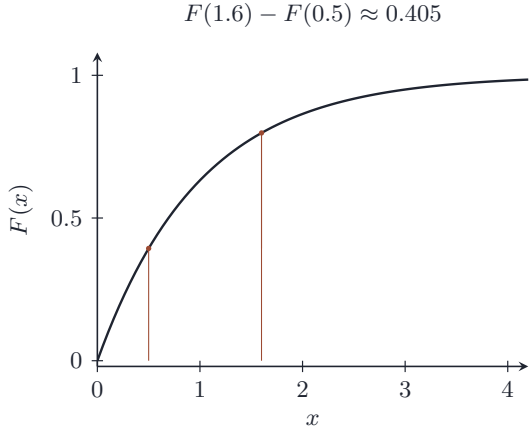

Discrete mass, fair die
$f(x)$
$\frac{1}{6}$
0
1
2
3
4
5
6
x


Exp(1) density
$f(x)$
1
0.5
0
area
0
1
2
3
4
x


Right-continuous distribution function
$F(x)$
1
0.5
0
1
2
3
4
5
6
x


$F(1.6) - F(0.5) \approx 0.405$
$F(x)$
1
0.5
0
0
1
2
3
4
x