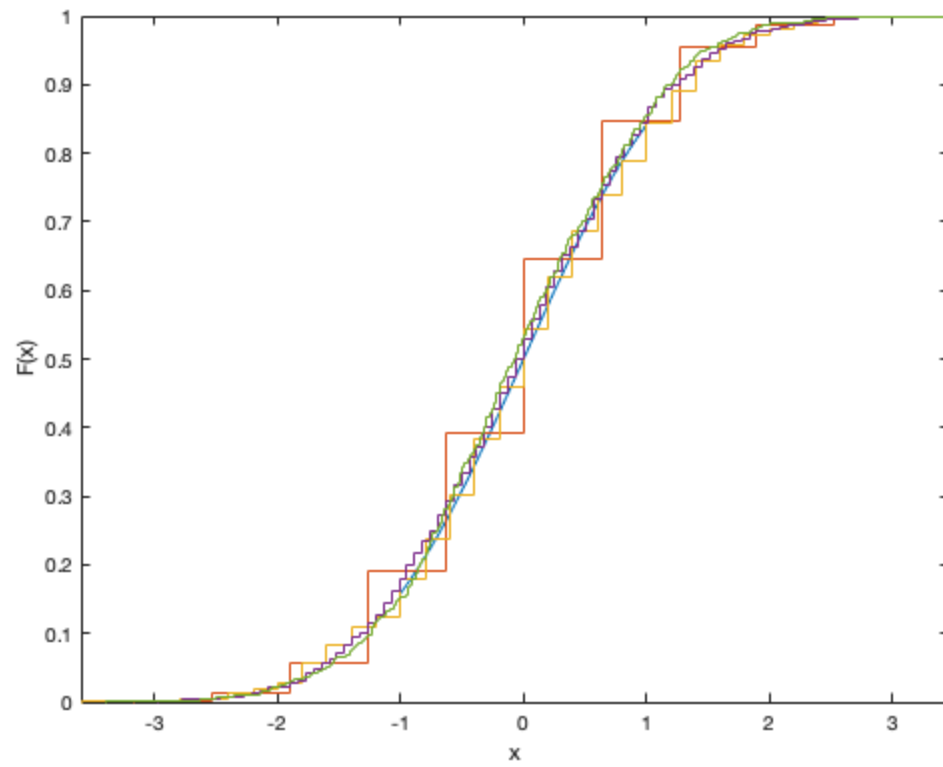


---

```
Ydata10 = [];  
Ydata100 = [];  
Ydata1000 = [];  
Ydata10000 = [];  
  
for a = 1:1000  
    data = rand(10,1);  
    data(data>0.5) = 1;  
    data(data<=0.5) = -1;  
    Ydata10 = [Ydata10 sqrt(10).*mean(data)];  
  
    data = rand(100,1);  
    data(data>0.5) = 1;  
    data(data<=0.5) = -1;  
    Ydata100 = [Ydata100 sqrt(100).*mean(data)];  
  
    data = rand(1000,1);  
    data(data>0.5) = 1;  
    data(data<=0.5) = -1;  
    Ydata1000 = [Ydata1000 sqrt(1000).*mean(data)];  
  
    data = rand(10000,1);  
    data(data>0.5) = 1;  
    data(data<=0.5) = -1;  
    Ydata10000 = [Ydata10000 sqrt(10000).*mean(data)];  
end  
  
fplot(@(x) normcdf(x), [-1,1]);  
hold on;  
ecdf(Ydata10);  
ecdf(Ydata100);  
ecdf(Ydata1000);  
ecdf(Ydata10000);
```



*Published with MATLAB® R2018a*