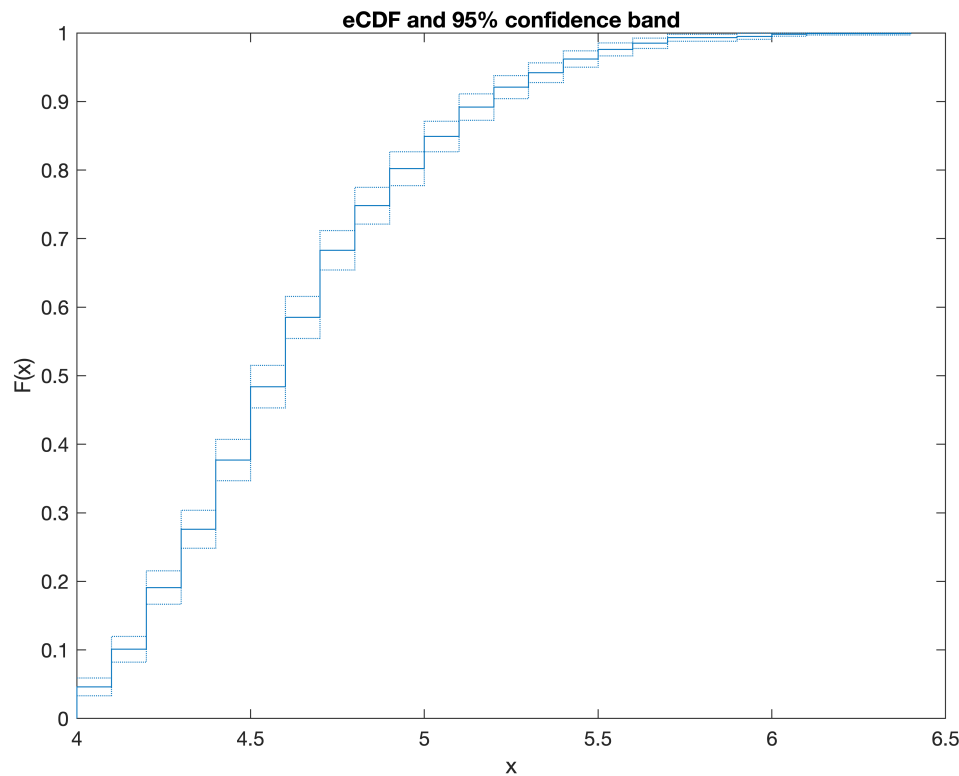


Part (a)

```
fiji = importdata("fiji.txt");  
magnitudes = fiji(:,5);  
  
figure  
ecdf(magnitudes, "Alpha",0.05,"Bounds","on")  
title("eCDF and 95% confidence band")
```



Part (b)

```
[f,x,flo,fup] = ecdf(magnitudes,"Alpha",0.05);  
figure  
hold on  
plot(x,f)  
plot(x,flo)  
plot(x,fup)  
legend("eCDF", "Lower confidence bound", "Upper confidence bound", "Location","east")  
title("eCDF and 95% confidence band (linear approximations)")
```

