## **Program output:**

Average degree: 9.594501718213055

Histogram saved as histogram.png

Probability function saved as probabilityFunction.pn g

P(degree > mean): 0.4192439862542955

## **Histogram of Vertex Degrees**

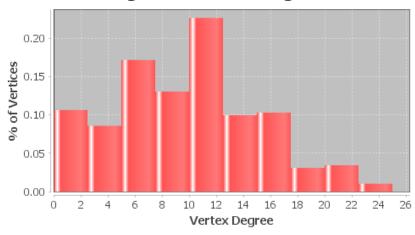


Figure 1 histogram.png

## Probability Function P(degree >= k)

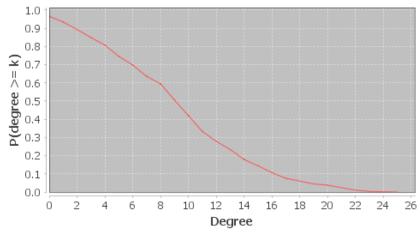


Figure 2 probabilityFunction.png

## Program: