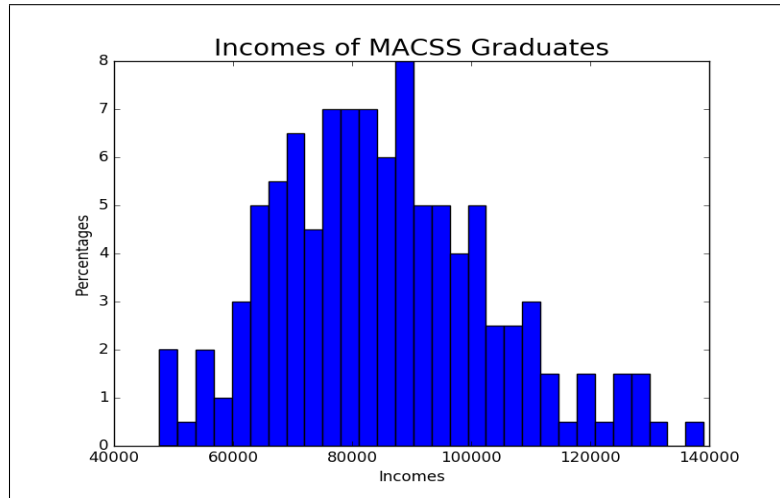


Problem Set #4

MACS 30100, Dr. Evans

Sushmita V Gopalan

Part 1(a).



Part 1(b).

[[1.94074838e-07 3.78322944e-08]
[3.37284530e-07 2.18887663e-07]]

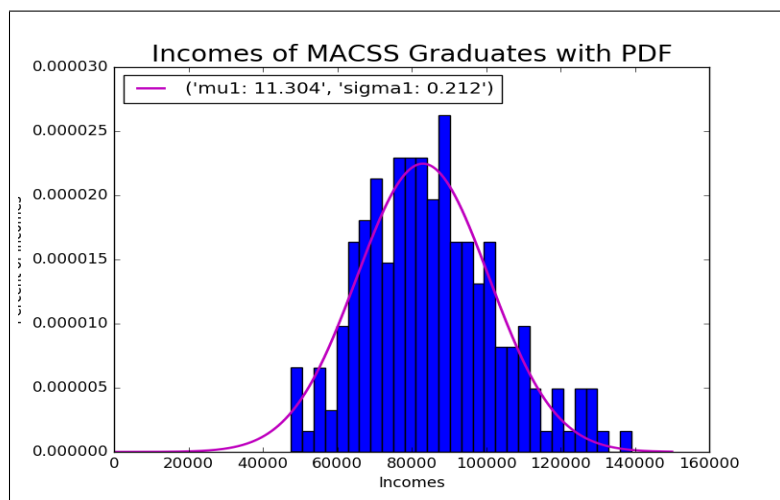
Part 1(c).

Mean = 11.3038802994 Sigma = 0.211858934679

Value of criterion function: 0.00086555386333

Data mean = 85276.8236063 , Data standard deviation = 17992.542128

Model mean = 83039.3433958 , Model standard deviation = 17752.2700341



Part 1(d).

Mean = 11.3087274412 Sigma = 0.218151670903

Value of criterion function: 19.2043308985

Data mean = 85276.8236063 , Data standard deviation = 17992.542128

Model mean = 83463.1953452 , Model standard deviation = 18428.0767771

