DA Assignment 3

1. Histogram and summary measures of the original data (i.e. 600 incomes)

Mean : 27524.03

Variance: 166396281

Standard deviation: 12899.47

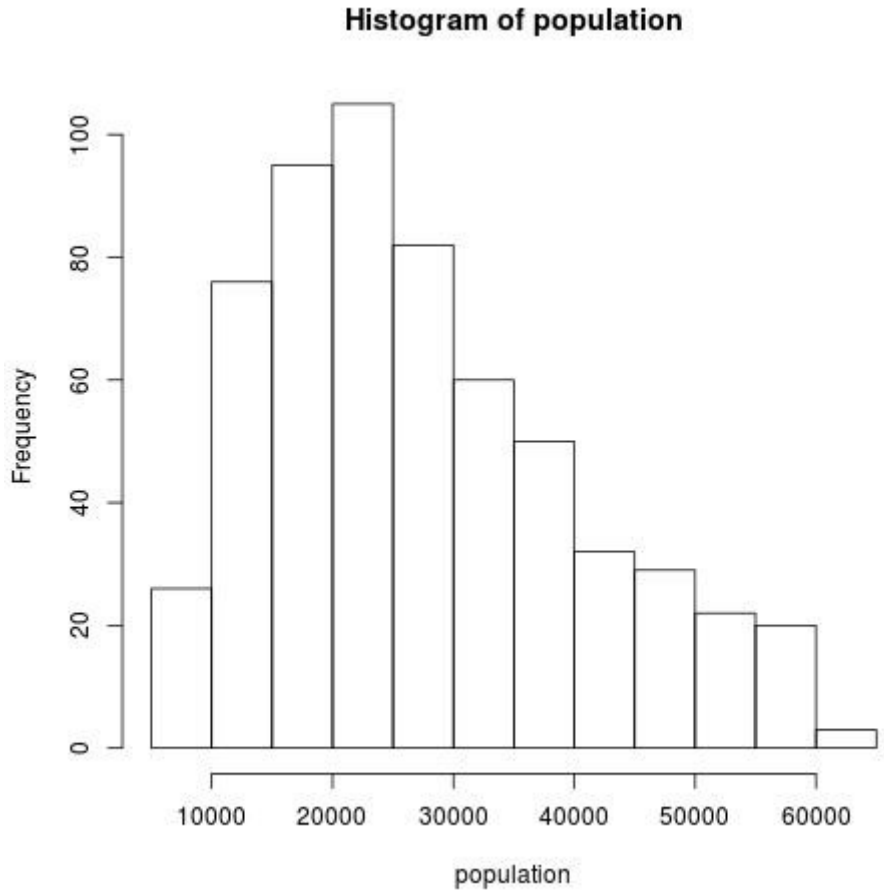

Figure-1

2.

Sample size	**Histogram of 30 sample means**	**Mean of 30 sample means**	**Standard Deviation of 30 sample means**	**Standard Deviation of 30 sample means * √sample size**	**Observations on the distribution of sample means**
5	Figure-1	26103.99	4781.481	10691.72	Almost Left skewed (mean less than median)
15	Figure-2	26969.02	4179.156	16185.8	Bimodal

30	Figure-3	27808.69	2413.219	13217.74	Symmetric
50	Figure-4	27349.88	1620.003	11455.15	Symmetric

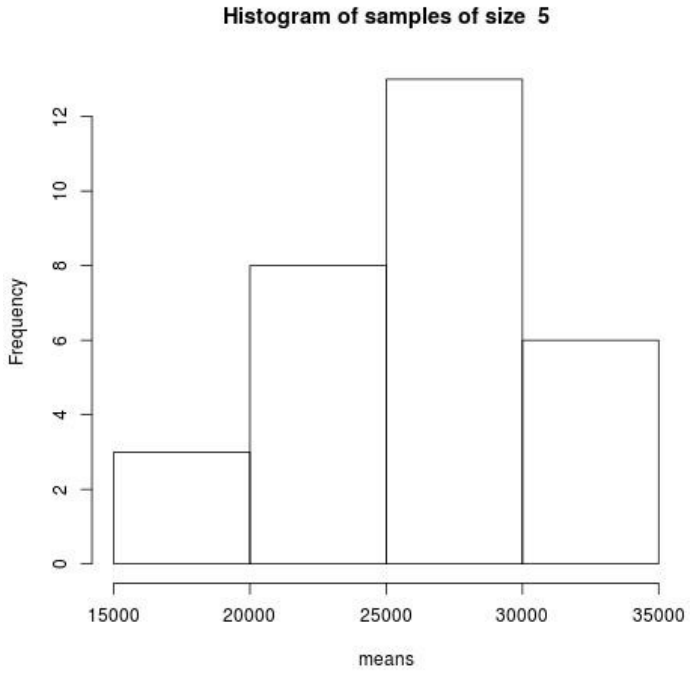

Figure-1

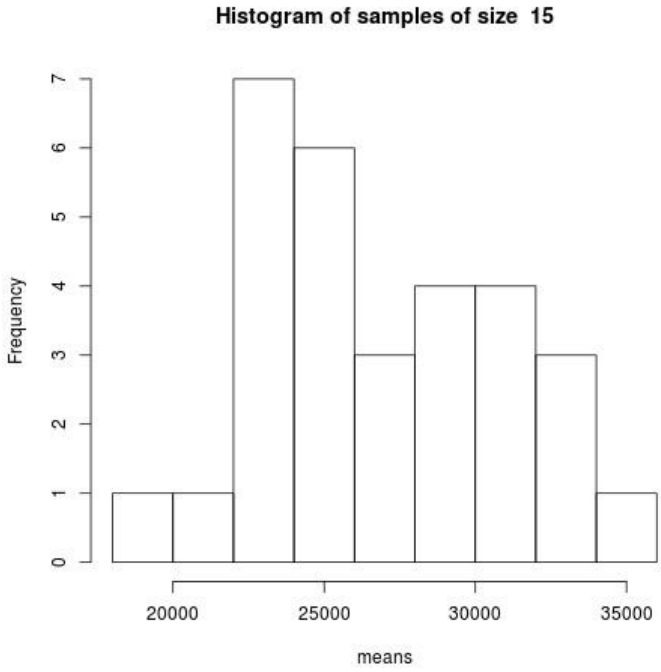

Figure-2

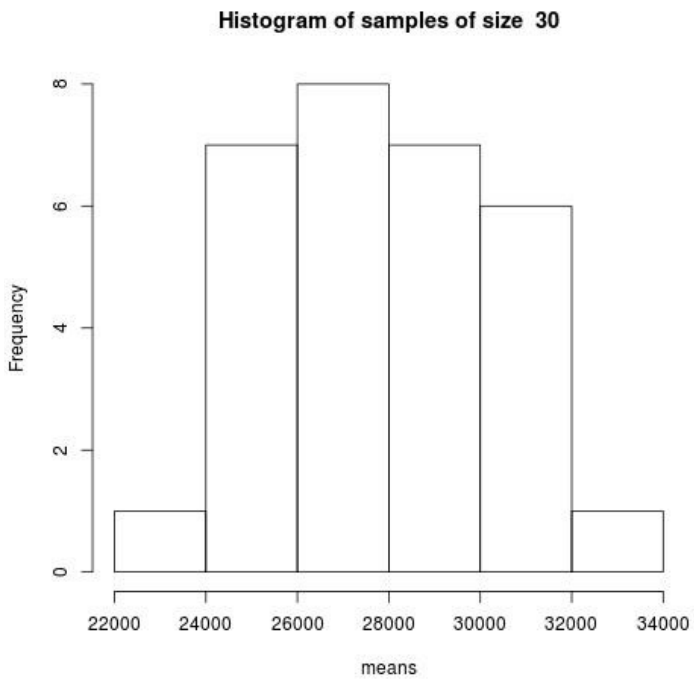

Figure-3

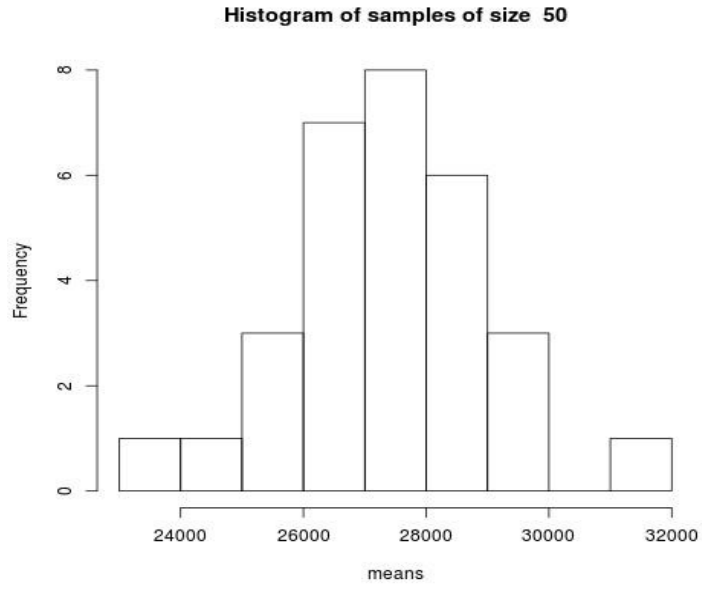

Figure-4