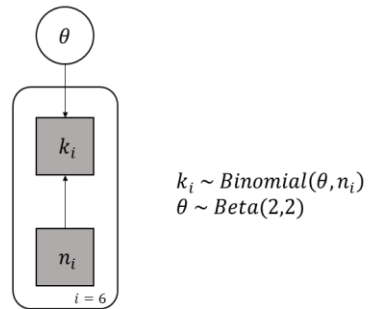


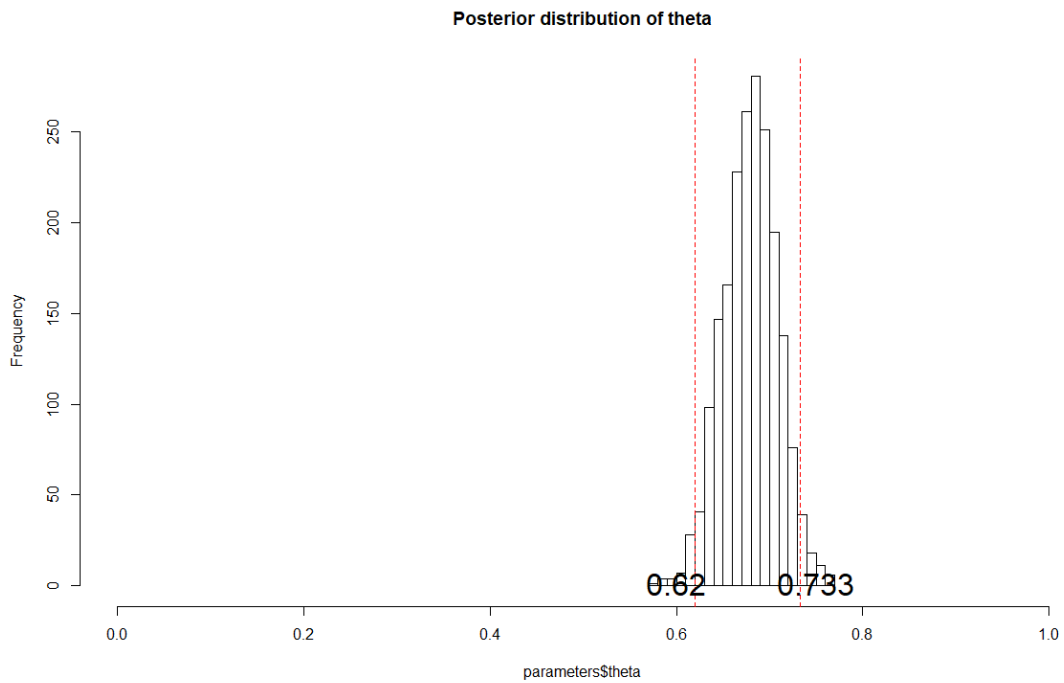
Homework 3

Question 1

1.1 Graphical representation

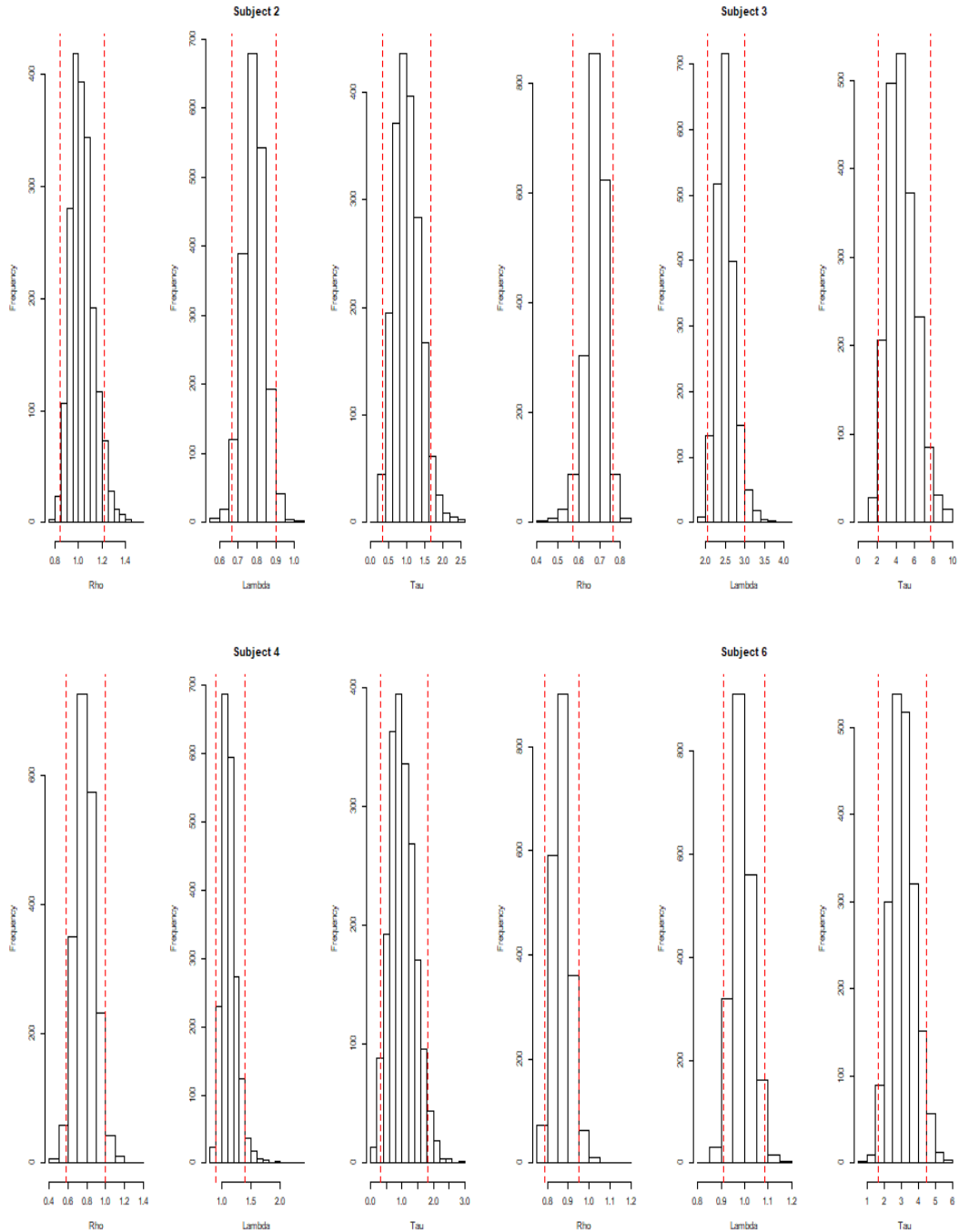


1.2 Posterior distribution of theta

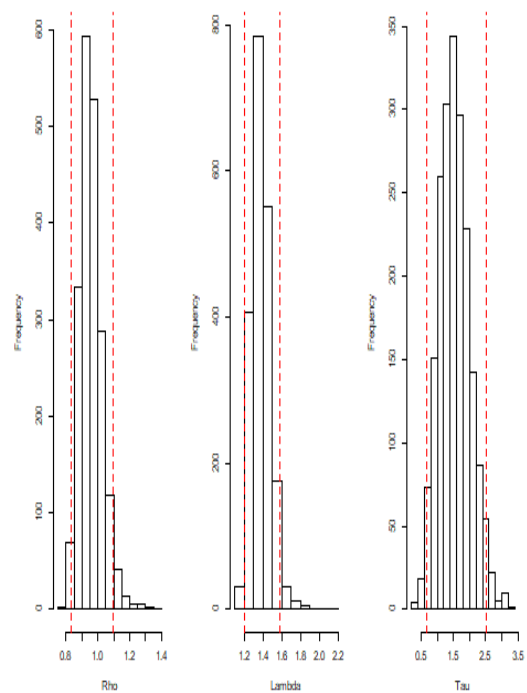


Question 2

2.1 Posterior distributions of parameters



Subject 7



2.2 Posterior mean of parameters

	Rho	Lambda	Tau
Subject 2	1.032	0.7840	1.0050
Subject 3	0.680	2.5150	4.6460
Subject 4	0.786	1.1290	1.0130
Subject 6	0.870	0.9890	3.0940
Subject 7	0.957	1.3810	1.5360
Total	0.865	1.3596	2.2588

2.3 Plot of MLE estimates(x-axis) and posterior mean(y-axis)

