Homework 6

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 $Link\ to\ repo: \\ {\tt https://github.com/keviny2/CPSC532W-Assignments/tree/main/HOPPL/SMC}$

Code Snippets

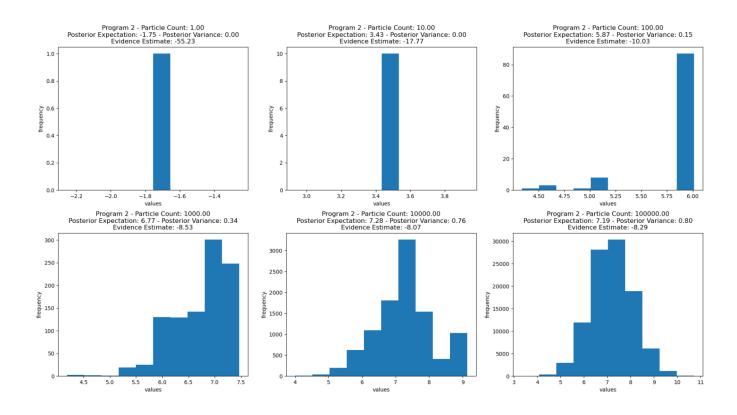
```
R - evaluate(args()), env-env)

sigma = { type: 'observe',
    'logM': d.log_prob(c),
    'addr': alpha
    #T0000: put any other stuff you need here
}

return k, [c], sigma
            e: # this is the observe case
#TODO: check particle addresses, and get weights and continuations
particles[i] = res
```

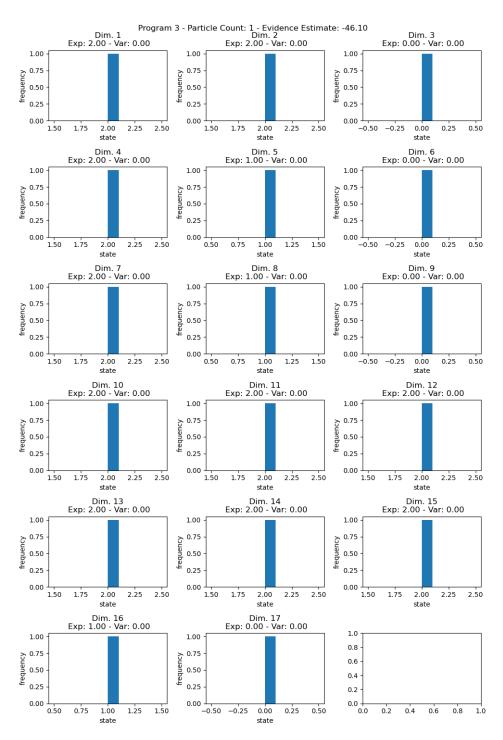
Program 2

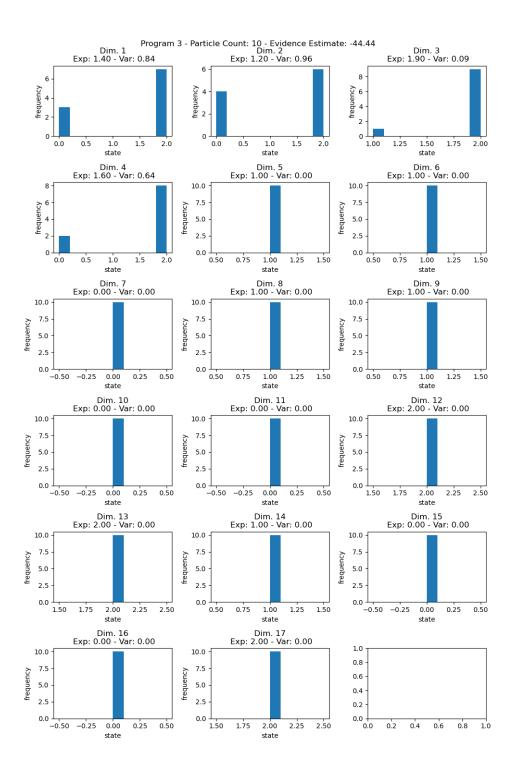
**Evidence Estimate in log space

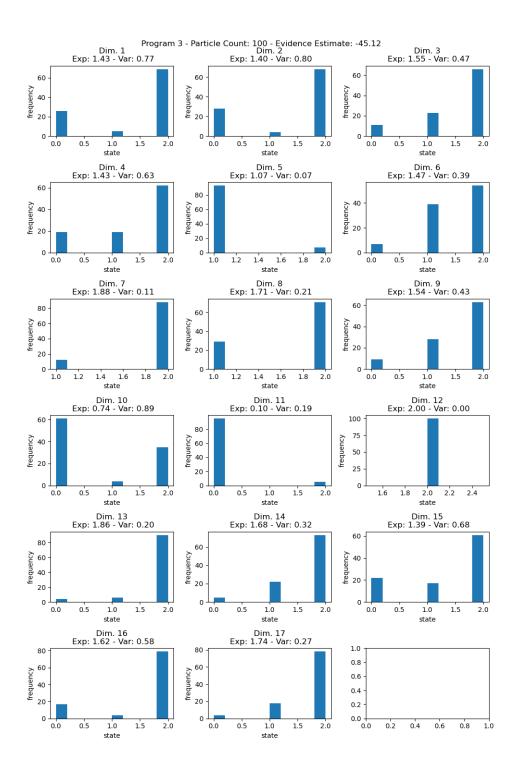


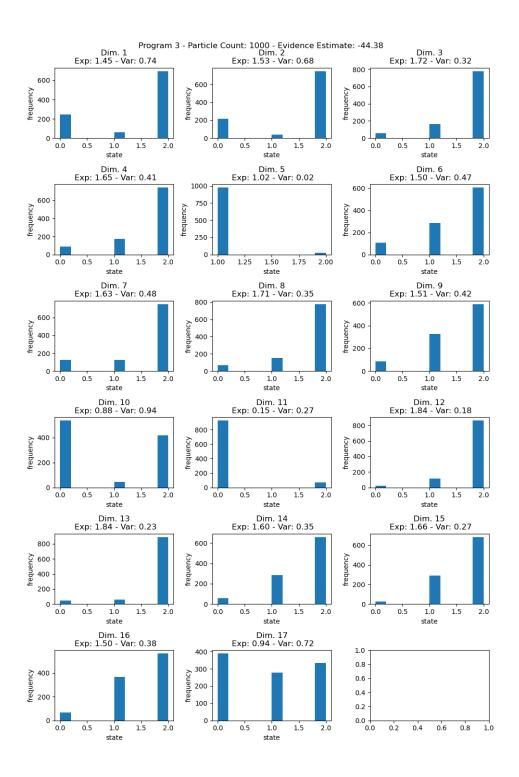
Program 3

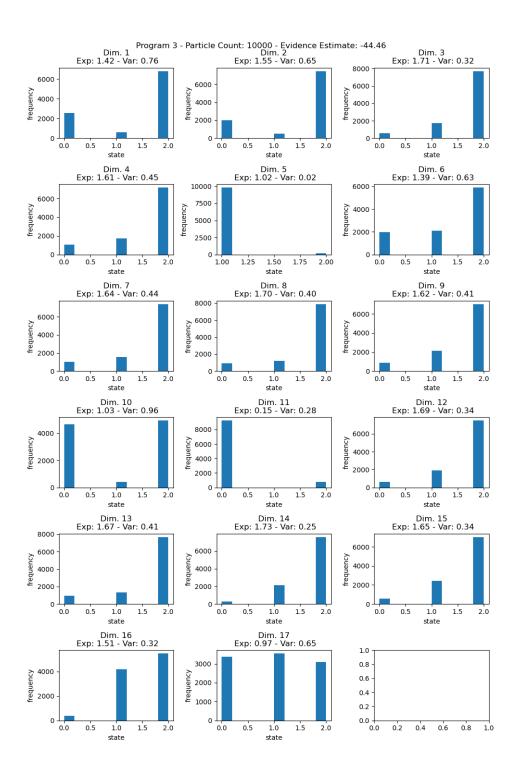
**Evidence Estimate in log space

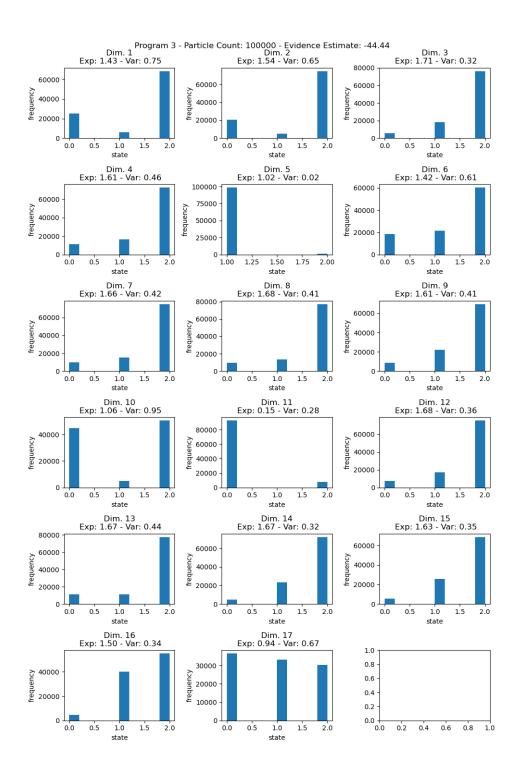












Program 4

**Evidence Estimate in log space

