**통계적 시뮬레이션 2017311184 오준석**

**Statistical Simulation HW2**

**Results**

| **Problem 1** |
| --- |
| > Q1\_summary  $`True Theta`  [1] 0.2  $`Theta hat`  [1] 0.1997104  $Deviation  [1] 0.0002895594  $`SE of Theta hat`  [1] 0.06336972  $`Confidence Interval`  0.1% 95.1%  0.08317293 0.32404572 |

| **Problem 2** |
| --- |
| > result  Chi Unif Exp  10 samp: 0.1397 0.0497 0.1004  30 samp: 0.0911 0.0482 0.0707  50 samp: 0.0737 0.0485 0.0644 |

| **Problem 3** |
| --- |
| > mean(I\_j)  [1] 0.834 |

| **Problem 4** |
| --- |
| [1] > ##result.  > MSE\_lse  X\_s  0.07119067  > MSE\_wlse  X\_s  0.06303648 |