HW4
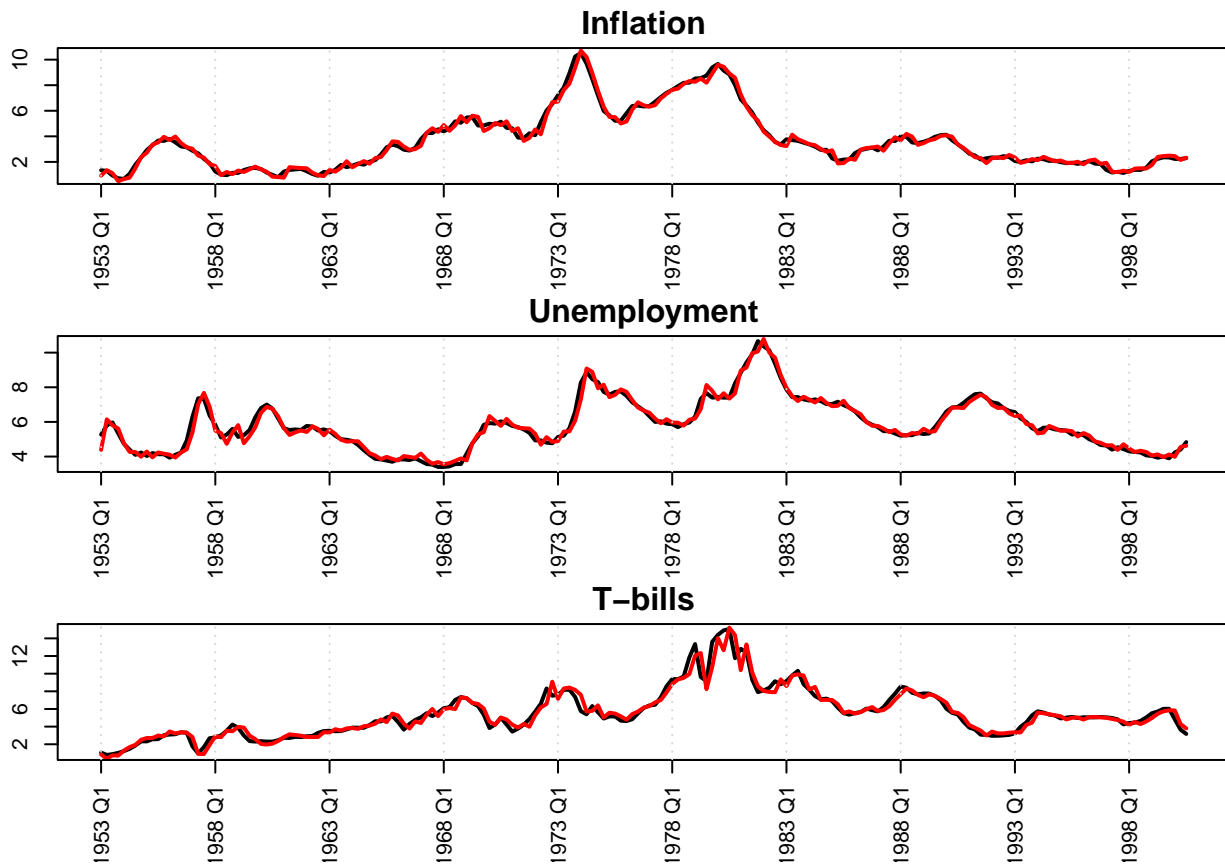
Gabriel Konecny

2023-06-03

Plots should start here:
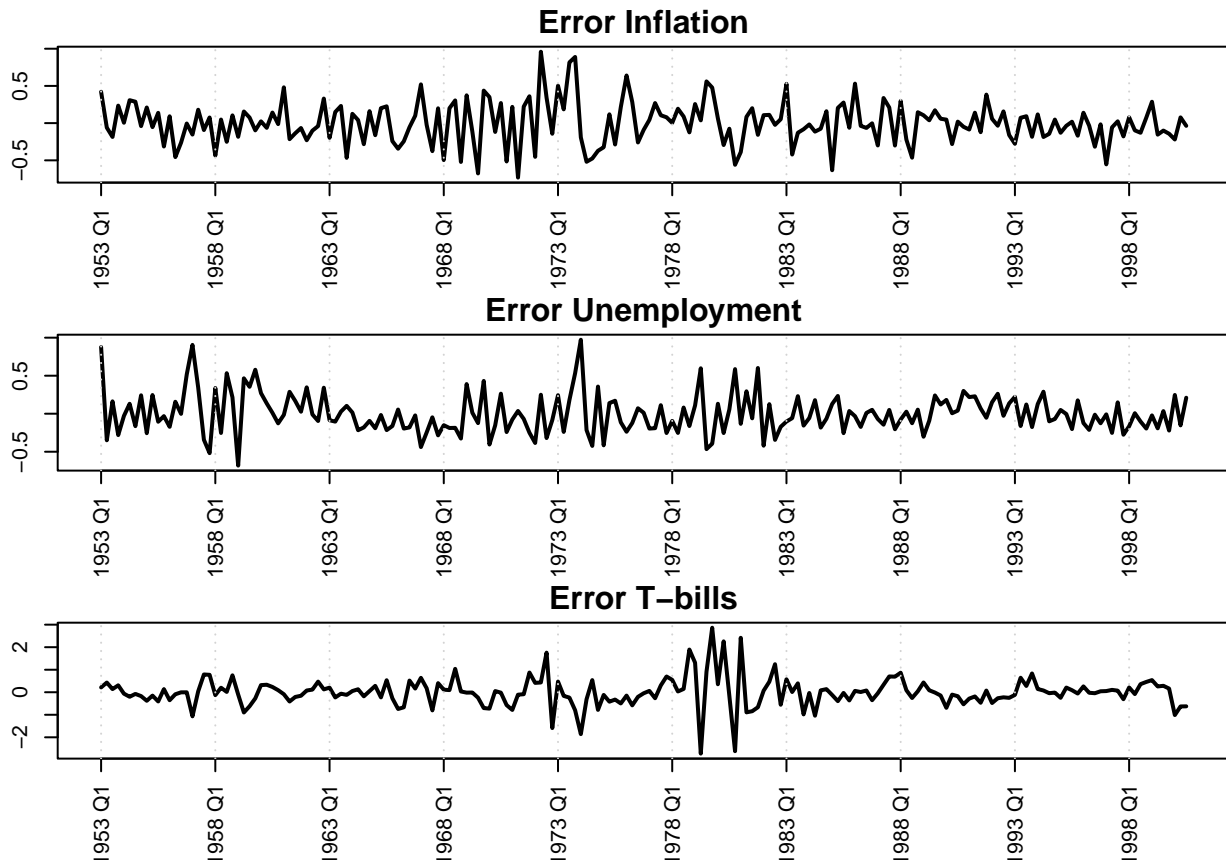
Inflation

Unemployment

T−bills

Error Inflation

Error Unemployment

Error T−bills

```
##      Lambda Value
## 1 Lambda 1 1e-03
## 2 Lambda 2 5e-03
## 3 Lambda 3 1e+02
```
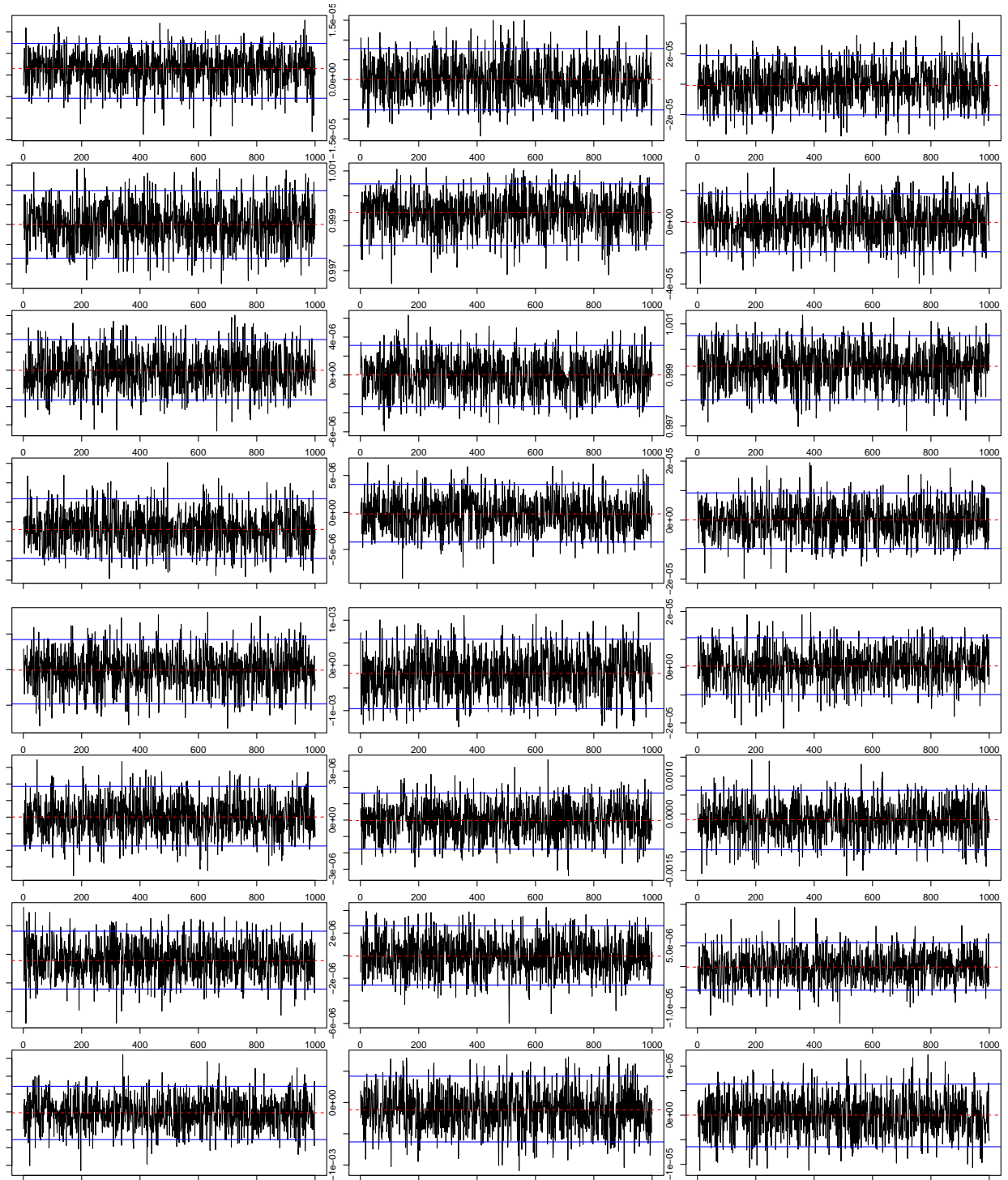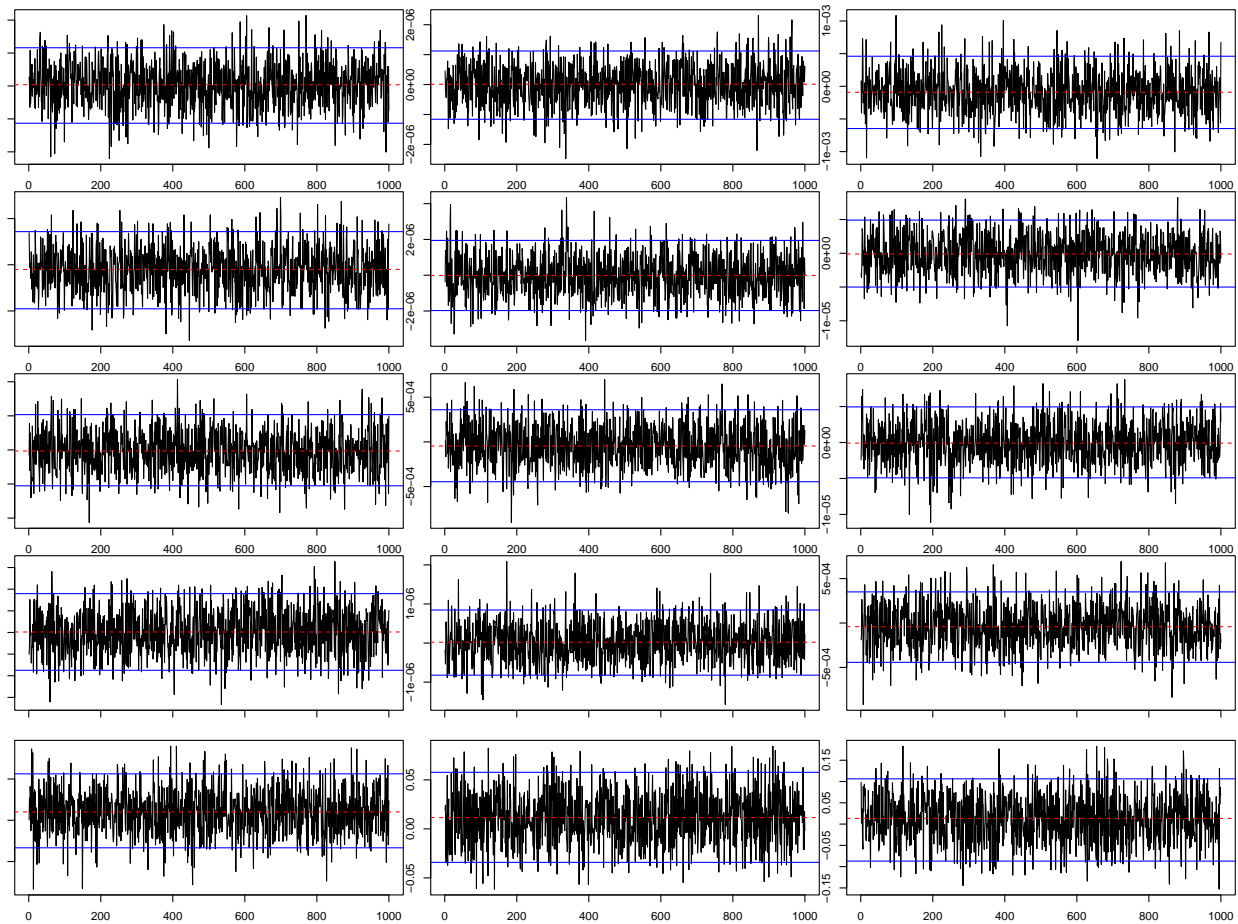
```
##      Lambda Value
## 1 Lambda 1 1e-03
## 2 Lambda 2 5e-03
## 3 Lambda 3 1e+02
```
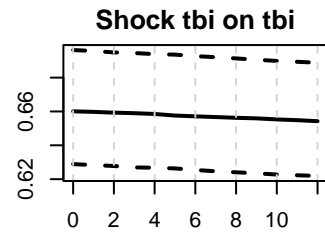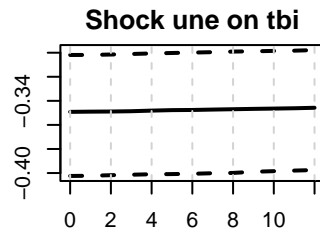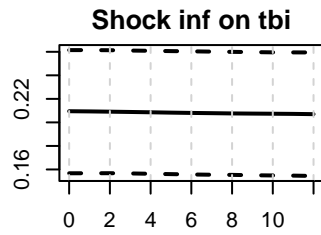
```
##     Lambda Value
## 1 Lambda 1 1e-03
## 2 Lambda 2 5e-03
## 3 Lambda 3 1e+02
```
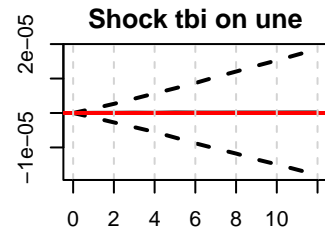
mean_table

```
##                  [,1]          [,2]          [,3]
##  [1,]   9.992967e-01   2.162896e-08  -7.841093e-07
##  [2,]   3.903630e-08   9.993269e-01  -4.140012e-07
##  [3,]  -5.643727e-09   1.018467e-08   9.993393e-01
##  [4,]  -1.986893e-04  -1.942318e-07   6.059660e-08
##  [5,]  -7.306981e-08  -1.783495e-04   4.455165e-07
##  [6,]   8.747925e-09  -2.604364e-08  -1.536728e-04
##  [7,]  -1.102089e-04  -4.618402e-08  -1.438241e-07
##  [8,]  -9.568918e-08  -1.174958e-04   9.502534e-09
##  [9,]   3.773290e-08   1.132124e-08  -9.114226e-05
## [10,]  -5.048829e-05  -1.379148e-08  -1.012311e-07
## [11,]  -6.373174e-08  -4.589556e-05  -8.267101e-08
## [12,]   1.134459e-08   2.140831e-08  -4.169817e-05
## [13,]   1.014286e-02   1.153256e-02   1.330113e-02
```
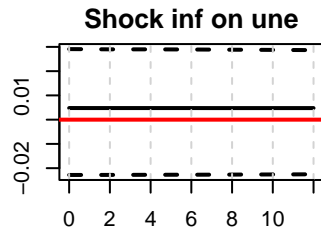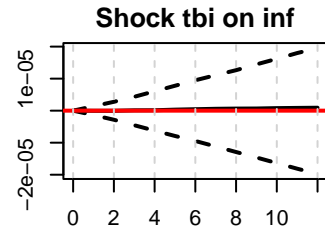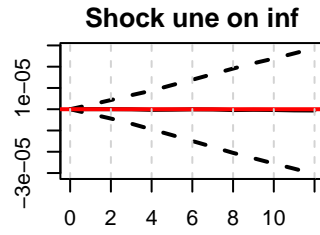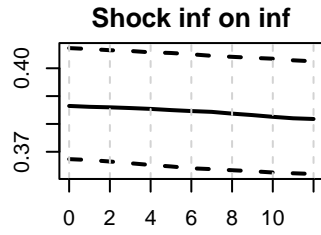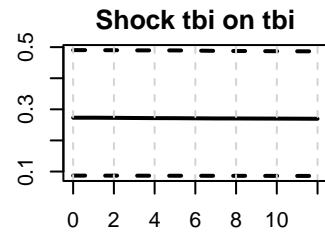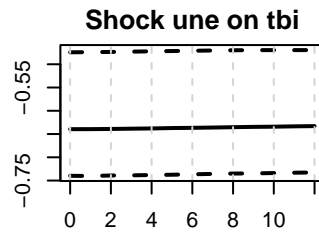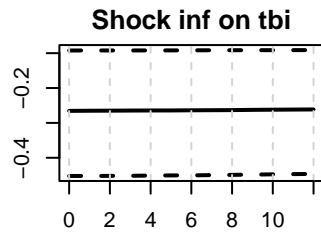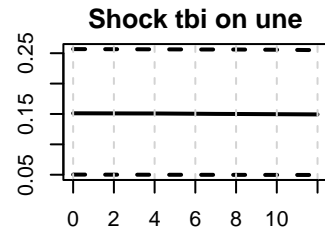
sd_table

```
##                  [,1]          [,2]          [,3]
##  [1,] 7.826499e-04 4.819359e-06 1.205361e-05
##  [2,] 5.215481e-06 7.591071e-04 1.194142e-05
##  [3,] 2.100049e-06 1.970774e-06 7.484182e-04
##  [4,] 4.709898e-04 2.343552e-06 5.783584e-06
##  [5,] 2.666672e-06 4.659457e-04 6.070636e-06
##  [6,] 1.111606e-06 1.055572e-06 4.736757e-04
##  [7,] 3.156449e-04 1.593313e-06 3.675740e-06
##  [8,] 1.805223e-06 3.241266e-04 3.917199e-06
##  [9,] 7.042883e-07 7.083657e-07 3.317089e-04
## [10,] 2.460616e-04 1.195304e-06 3.000764e-06
## [11,] 1.289331e-06 2.440028e-04 2.999274e-06
## [12,] 5.337591e-07 5.185502e-07 2.469266e-04
## [13,] 2.811368e-02 2.762928e-02 5.784759e-02
```
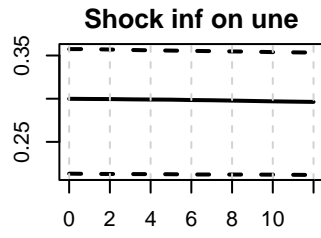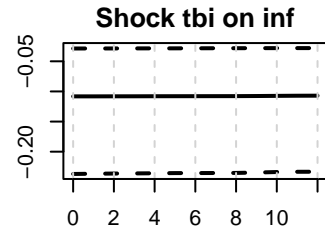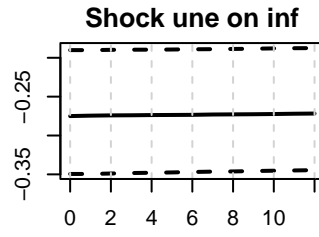
```
##      Lambda Value
## 1 Lambda 1 1e-03
## 2 Lambda 2 5e-03
## 3 Lambda 3 1e+02
```

Shock inf on inf

Shock une on inf

Shock tbi on inf

Shock inf on une

Shock une on une

Shock tbi on une

Shock inf on tbi

Shock une on tbi

Shock tbi on tbi

```
##      Lambda Value
## 1 Lambda 1 1e-03
## 2 Lambda 2 5e-03
## 3 Lambda 3 1e+02
```

```
##      Lambda Value
## 1 Lambda 1 1e-03
## 2 Lambda 2 5e-03
## 3 Lambda 3 1e+02
```

inf

une

tbi