

Normal Distribution Report

$$\Phi(t) = \int_{-\infty}^t \frac{1}{\sqrt{2\pi}} e^{-y^2/2} dy$$

```
for(value in 1:100){
T=matrix(0,9,4,dimnames=list(c("0.0","0.67","0.84","1.28","1.65","2.32","2.58","3.09","3.72"),
                             c("10^2","10^3","10^4","true")))

#n=10^2 t=0
n=10^2
t=0
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
if(a<=t)
  {b=1}
  else
    {b=0}
T[1,1]=T[1,1]+b
}
T[1,1]=T[1,1]/n

#n=10^3 t=0
n=10^3
t=0
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
if(a<=t)
  {b=1}
  else
    {b=0}
T[1,2]=T[1,2]+b
}
T[1,2]=T[1,2]/n

#n=10^4 t=0
n=10^4
t=0
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
if(a<=t)
  {b=1}
  else
    {b=0}
T[1,3]=T[1,3]+b
}
T[1,3]=T[1,3]/n

#true
f<-function(x)1/sqrt(2*pi)*exp(-x^2/2)
T[1,4]=integrate(f,Inf,t)$value

#n=10^2 t=0.67
```

```

n=10^2
t=0.67
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
  if(a<=t)
    {b=1}
  else
    {b=0}
  T[2,1]=T[2,1]+b
}
T[2,1]=T[2,1]/n

#n=10^3 t=0.67
n=10^3
t=0.67
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
  if(a<=t)
    {b=1}
  else
    {b=0}
  T[2,2]=T[2,2]+b
}
T[2,2]=T[2,2]/n

#n=10^4 t=0.67
n=10^4
t=0.67
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
  if(a<=t)
    {b=1}
  else
    {b=0}
  T[2,3]=T[2,3]+b
}
T[2,3]=T[2,3]/n

#true
f<-function(x)1/sqrt(2*pi)*exp(-x^2/2)
T[2,4]=integrate(f,Inf,t)$value

#n=10^2 t=0.84
n=10^2
t=0.84
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
  if(a<=t)
    {b=1}
  else
    {b=0}
  T[3,1]=T[3,1]+b
}

```

```

T[3,1]=T[3,1]/n

#n=10^3 t=0.84
n=10^3
t=0.84
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
  if(a<=t)
    {b=1}
  else
    {b=0}
  T[3,2]=T[3,2]+b
}
T[3,2]=T[3,2]/n

#n=10^4 t=0.84
n=10^4
t=0.84
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
  if(a<=t)
    {b=1}
  else
    {b=0}
  T[3,3]=T[3,3]+b
}
T[3,3]=T[3,3]/n

#true
f<-function(x)1/sqrt(2*pi)*exp(-x^2/2)
T[3,4]=integrate(f,Inf,t)$value

#n=10^2 t=1.28
n=10^2
t=1.28
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
  if(a<=t)
    {b=1}
  else
    {b=0}
  T[4,1]=T[4,1]+b
}
T[4,1]=T[4,1]/n

#n=10^3 t=1.28
n=10^3
t=1.28
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
  if(a<=t)
    {b=1}
  else

```

```

    {b=0}
T[4,2]=T[4,2]+b
}
T[4,2]=T[4,2]/n

#n=10^4 t=1.28
n=10^4
t=1.28
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
if(a<=t)
  {b=1}
  else
    {b=0}
T[4,3]=T[4,3]+b
}
T[4,3]=T[4,3]/n

#true
f<-function(x)1/sqrt(2*pi)*exp(-x^2/2)
T[4,4]=integrate(f,Inf,t)$value

#n=10^2 t=1.65
n=10^2
t=1.65
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
if(a<=t)
  {b=1}
  else
    {b=0}
T[5,1]=T[5,1]+b
}
T[5,1]=T[5,1]/n

#n=10^3 t=1.65
n=10^3
t=1.65
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
if(a<=t)
  {b=1}
  else
    {b=0}
T[5,2]=T[5,2]+b
}
T[5,2]=T[5,2]/n

#n=10^4 t=1.65
n=10^4
t=1.65
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)

```

```

if(a<=t)
  {b=1}
else
  {b=0}
T[5,3]=T[5,3]+b
}
T[5,3]=T[5,3]/n

#true
f<-function(x)1/sqrt(2*pi)*exp(-x^2/2)
T[5,4]=integrate(f,Inf,t)$value

#n=10^2 t=2.32
n=10^2
t=2.32
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
  if(a<=t)
    {b=1}
  else
    {b=0}
  T[6,1]=T[6,1]+b
  }
T[6,1]=T[6,1]/n

#n=10^3 t=2.32
n=10^3
t=2.32
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
  if(a<=t)
    {b=1}
  else
    {b=0}
  T[6,2]=T[6,2]+b
  }
T[6,2]=T[6,2]/n

#n=10^4 t=2.32
n=10^4
t=2.32
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
  if(a<=t)
    {b=1}
  else
    {b=0}
  T[6,3]=T[6,3]+b
  }
T[6,3]=T[6,3]/n

#true
f<-function(x)1/sqrt(2*pi)*exp(-x^2/2)

```

```

T[6,4]=integrate(f,Inf,t)$value

#n=10^2 t=2.58
n=10^2
t=2.58
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
  if(a<=t)
    {b=1}
  else
    {b=0}
  T[7,1]=T[7,1]+b
}
T[7,1]=T[7,1]/n

#n=10^3 t=2.58
n=10^3
t=2.58
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
  if(a<=t)
    {b=1}
  else
    {b=0}
  T[7,2]=T[7,2]+b
}
T[7,2]=T[7,2]/n

#n=10^4 t=2.58
n=10^4
t=2.58
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
  if(a<=t)
    {b=1}
  else
    {b=0}
  T[7,3]=T[7,3]+b
}
T[7,3]=T[7,3]/n

#true
f<-function(x)1/sqrt(2*pi)*exp(-x^2/2)
T[7,4]=integrate(f,Inf,t)$value

#n=10^2 t=3.09
n=10^2
t=3.09
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
  if(a<=t)
    {b=1}
  else

```

```

    {b=0}
T[8,1]=T[8,1]+b
}
T[8,1]=T[8,1]/n

#n=103 t=3.09
n=103
t=3.09
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
if(a<=t)
  {b=1}
  else
    {b=0}
T[8,2]=T[8,2]+b
}
T[8,2]=T[8,2]/n

#n=104 t=3.09
n=104
t=3.09
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
if(a<=t)
  {b=1}
  else
    {b=0}
T[8,3]=T[8,3]+b
}
T[8,3]=T[8,3]/n

#true
f<-function(x)1/sqrt(2*pi)*exp(-x2/2)
T[8,4]=integrate(f,Inf,t)$value

#n=102 t=3.72
n=102
t=3.72
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)
if(a<=t)
  {b=1}
  else
    {b=0}
T[9,1]=T[9,1]+b
}
T[9,1]=T[9,1]/n

#n=103 t=3.72
n=103
t=3.72
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)

```

```

if(a<=t)
  {b=1}
else
  {b=0}
T[9,2]=T[9,2]+b
}
T[9,2]=T[9,2]/n

#n=10^4 t=3.72
n=10^4
t=3.72
for(value in 1:n)
  {a <- rnorm(1, mean=0, sd=1)}
if(a<=t)
  {b=1}
else
  {b=0}
T[9,3]=T[9,3]+b
}
T[9,3]=T[9,3]/n

#true
f<-function(x)1/sqrt(2*pi)*exp(-x^2/2)
T[9,4]=integrate(f,Inf,t)$value

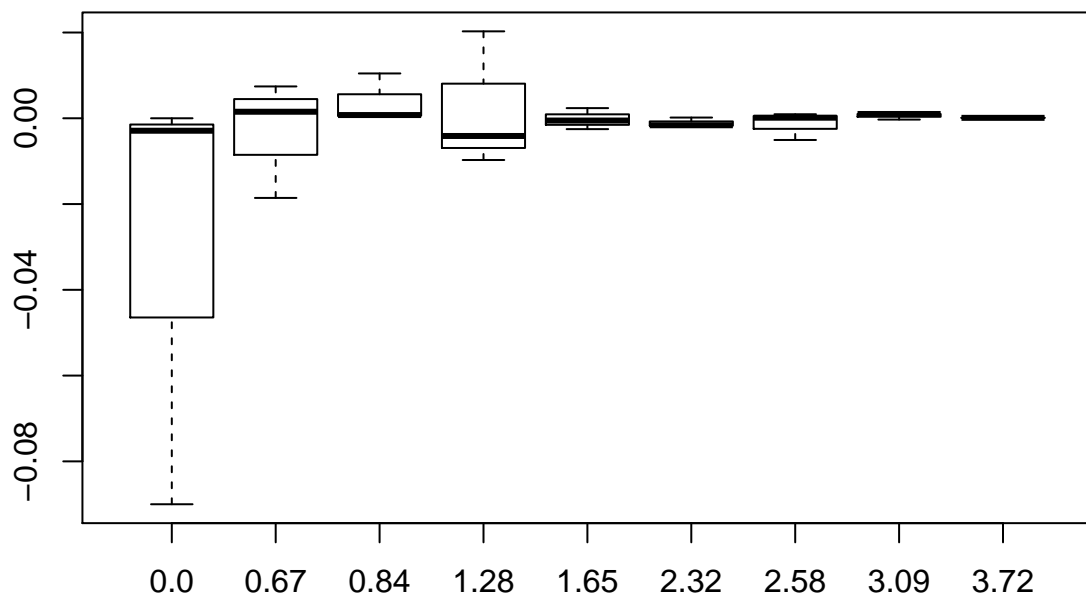
print(T)
boxplot(t(T[,1:3]-T[,4]))
}

```

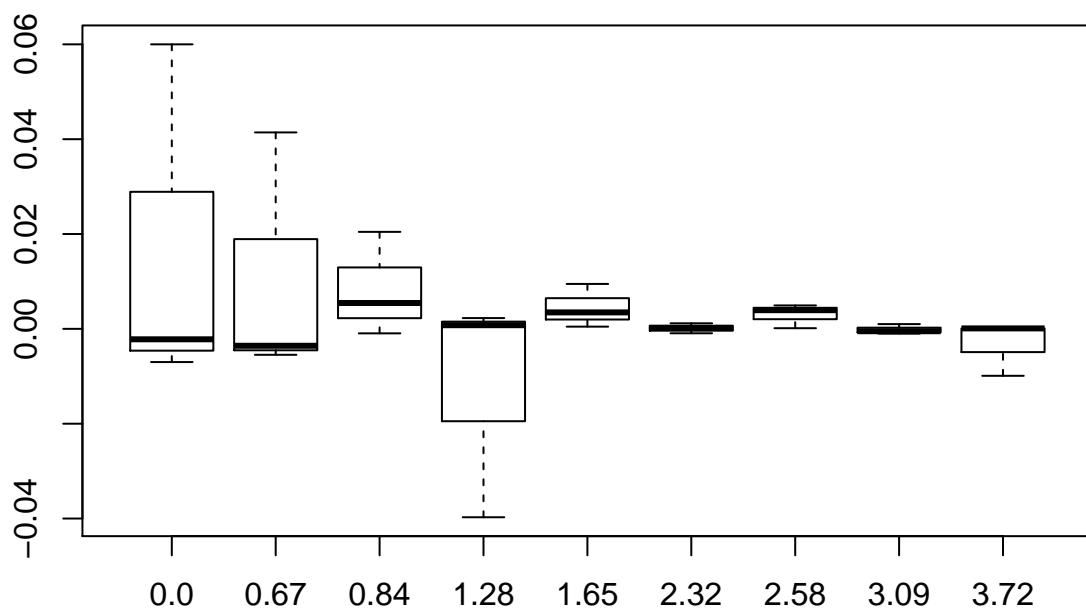
```

##      10^2  10^3   10^4    true
## 0.0  0.41 0.500 0.4971 0.5000000
## 0.67 0.73 0.756 0.7501 0.7485711
## 0.84 0.81 0.800 0.8003 0.7995458
## 1.28 0.92 0.890 0.8956 0.8997274
## 1.65 0.95 0.948 0.9529 0.9505285
## 2.32 0.99 0.988 0.9882 0.9898296
## 2.58 0.99 0.996 0.9952 0.9950600
## 3.09 1.00 1.000 0.9987 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004

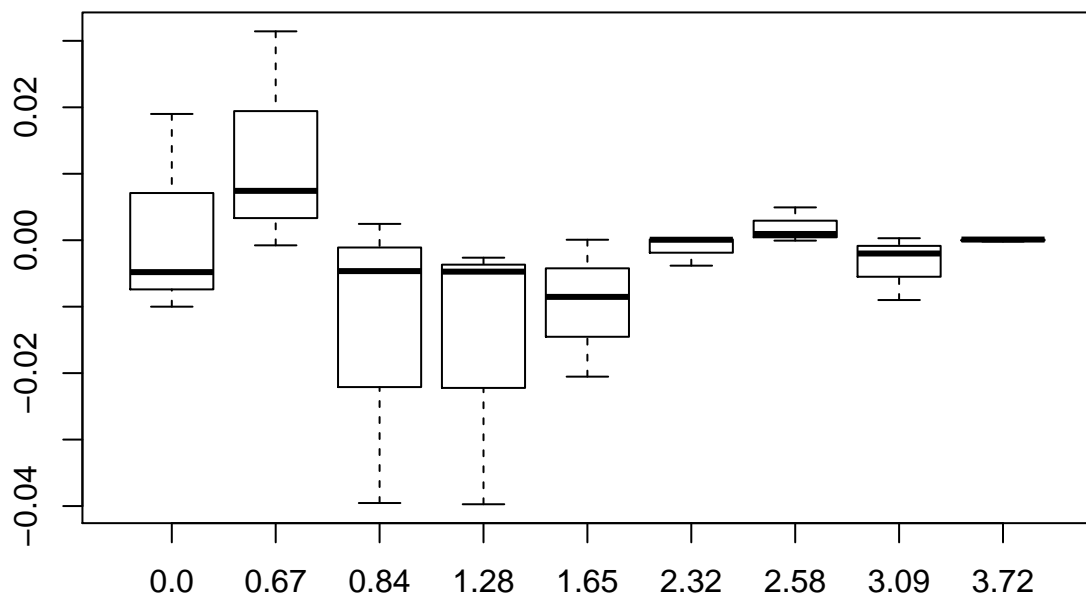
```

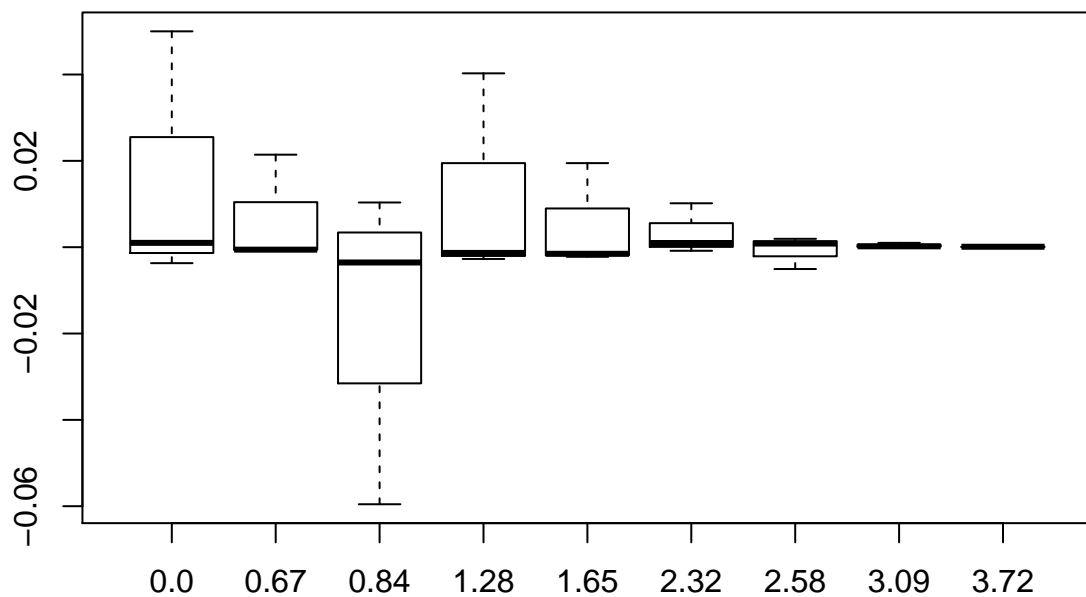
```
##      10^2 10^3 10^4      true
## 0.0 0.56 0.493 0.4978 0.5000000
## 0.67 0.79 0.745 0.7431 0.7485711
## 0.84 0.82 0.805 0.7986 0.7995458
## 1.28 0.86 0.902 0.9005 0.8997274
## 1.65 0.96 0.951 0.9540 0.9505285
## 2.32 0.99 0.991 0.9889 0.9898296
## 2.58 1.00 0.999 0.9952 0.9950600
## 3.09 1.00 0.998 0.9985 0.9989992
## 3.72 0.99 1.000 1.0000 0.9999004
```



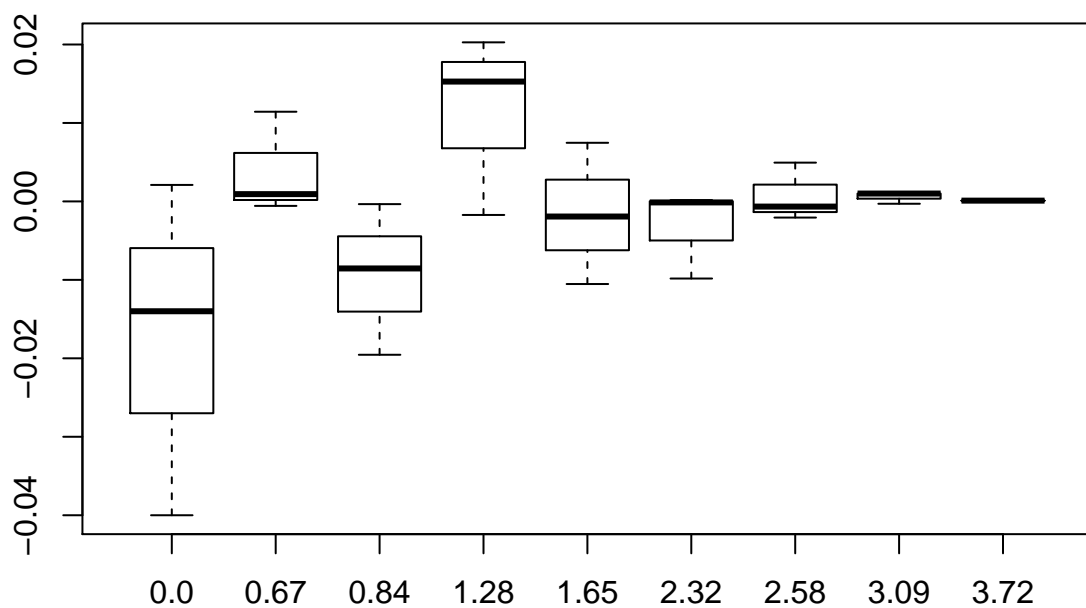
```
##      10^2 10^3  10^4      true
## 0.0  0.49 0.519 0.4952 0.5000000
## 0.67 0.78 0.756 0.7478 0.7485711
## 0.84 0.76 0.802 0.7949 0.7995458
## 1.28 0.86 0.895 0.8971 0.8997274
## 1.65 0.93 0.942 0.9506 0.9505285
## 2.32 0.99 0.986 0.9899 0.9898296
## 2.58 1.00 0.996 0.9950 0.9950600
## 3.09 0.99 0.997 0.9993 0.9989992
## 3.72 1.00 1.000 0.9997 0.9999004
```



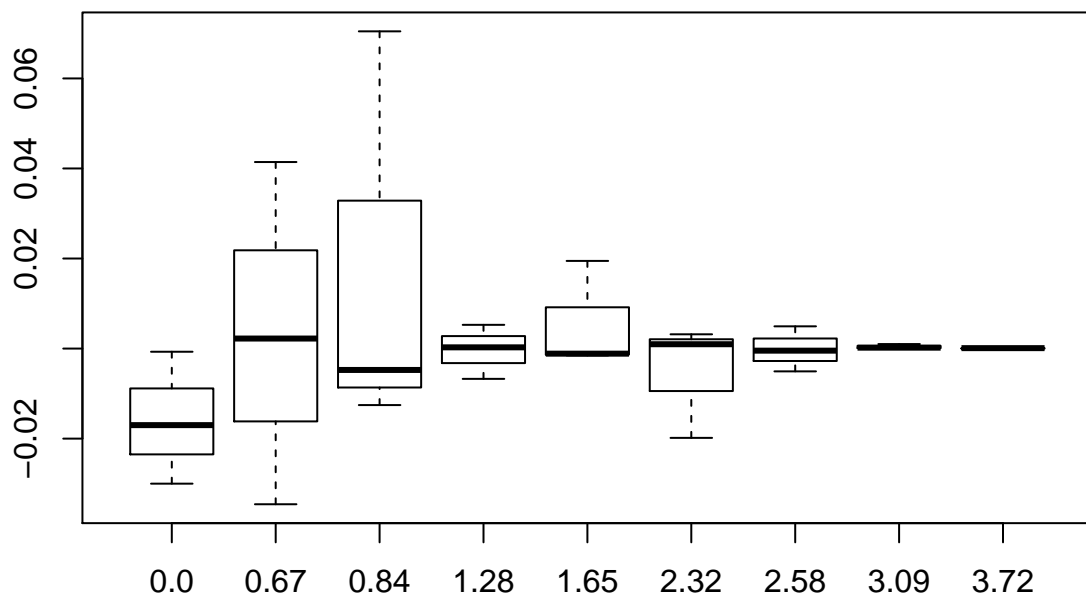
```
##      10^2 10^3 10^4      true
## 0.0 0.55 0.501 0.4963 0.5000000
## 0.67 0.77 0.748 0.7480 0.7485711
## 0.84 0.74 0.796 0.8099 0.7995458
## 1.28 0.94 0.897 0.8984 0.8997274
## 1.65 0.97 0.949 0.9483 0.9505285
## 2.32 1.00 0.989 0.9908 0.9898296
## 2.58 0.99 0.997 0.9959 0.9950600
## 3.09 1.00 0.999 0.9992 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



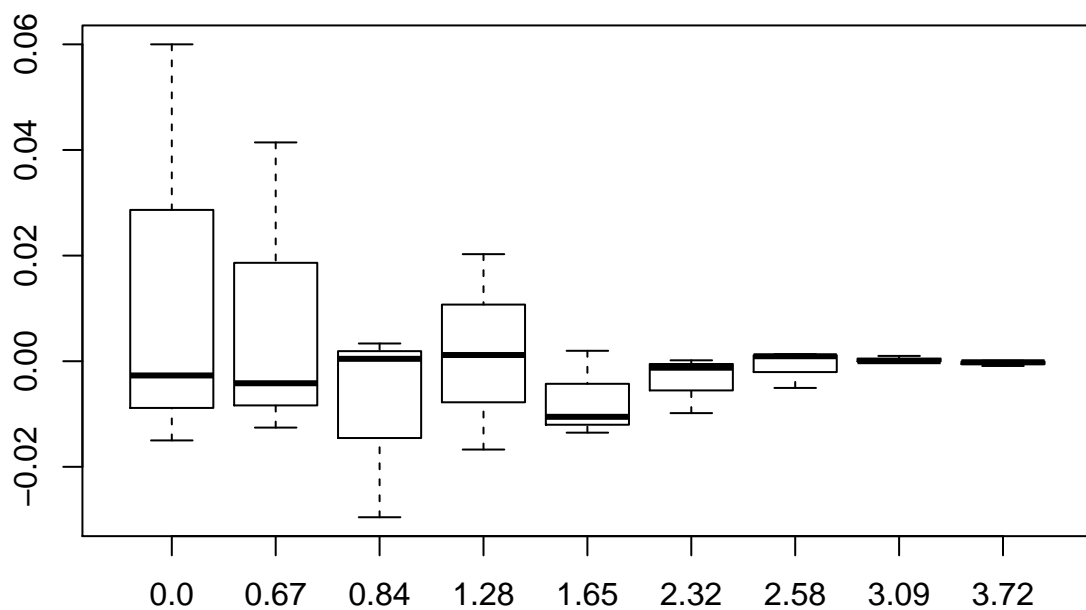
```
##      10^2 10^3  10^4      true
## 0.0  0.46 0.486 0.5021 0.5000000
## 0.67 0.76 0.748 0.7495 0.7485711
## 0.84 0.78 0.791 0.7992 0.7995458
## 1.28 0.92 0.915 0.8980 0.8997274
## 1.65 0.94 0.958 0.9486 0.9505285
## 2.32 0.98 0.990 0.9897 0.9898296
## 2.58 1.00 0.993 0.9944 0.9950600
## 3.09 1.00 1.000 0.9987 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



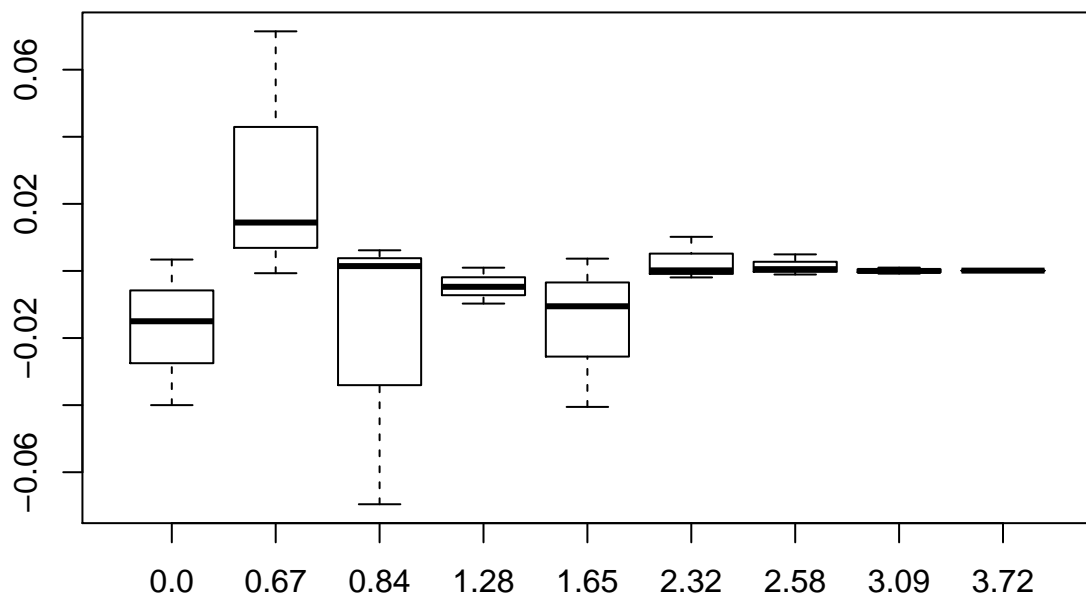
```
##      10^2  10^3   10^4    true
## 0.0  0.47 0.483 0.4993 0.5000000
## 0.67 0.79 0.714 0.7508 0.7485711
## 0.84 0.87 0.787 0.7948 0.7995458
## 1.28 0.90 0.893 0.9050 0.8997274
## 1.65 0.97 0.949 0.9494 0.9505285
## 2.32 0.97 0.993 0.9908 0.9898296
## 2.58 0.99 1.000 0.9946 0.9950600
## 3.09 1.00 0.999 0.9992 0.9989992
## 3.72 1.00 1.000 0.9998 0.9999004
```



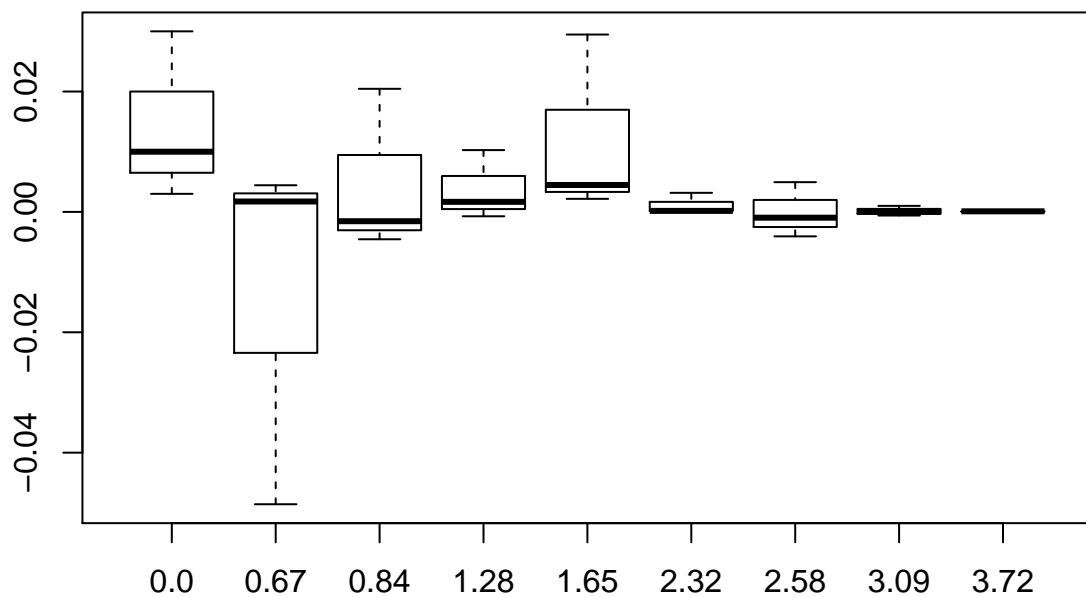
```
##      10^2 10^3 10^4      true
## 0.0 0.56 0.485 0.4973 0.5000000
## 0.67 0.79 0.736 0.7444 0.7485711
## 0.84 0.77 0.800 0.8029 0.7995458
## 1.28 0.92 0.883 0.9009 0.8997274
## 1.65 0.94 0.937 0.9525 0.9505285
## 2.32 0.98 0.990 0.9886 0.9898296
## 2.58 0.99 0.996 0.9964 0.9950600
## 3.09 1.00 0.999 0.9989 0.9989992
## 3.72 1.00 0.999 0.9997 0.9999004
```



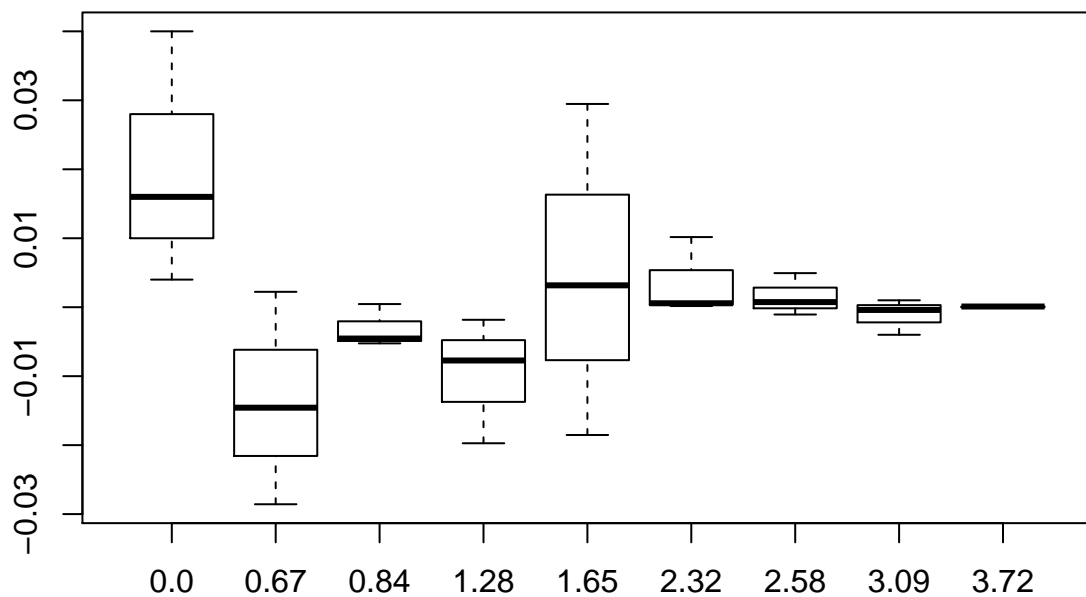
```
##      10^2 10^3  10^4      true
## 0.0  0.46 0.485 0.5034 0.5000000
## 0.67 0.82 0.763 0.7479 0.7485711
## 0.84 0.73 0.801 0.8057 0.7995458
## 1.28 0.89 0.895 0.9007 0.8997274
## 1.65 0.91 0.940 0.9542 0.9505285
## 2.32 1.00 0.990 0.9879 0.9898296
## 2.58 1.00 0.994 0.9956 0.9950600
## 3.09 1.00 0.999 0.9982 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



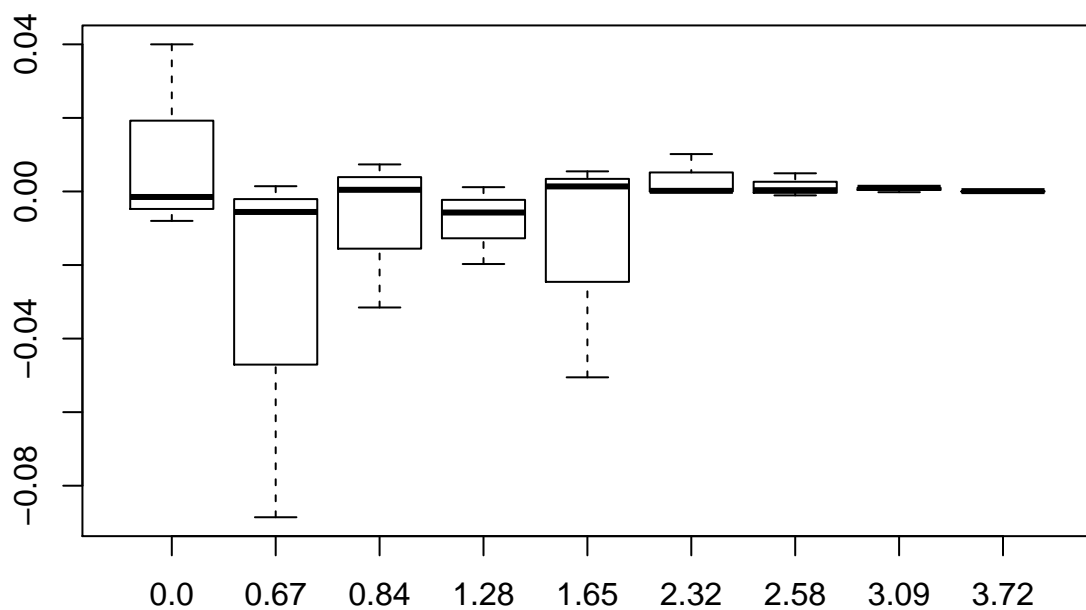
```
##      10^2  10^3   10^4    true
## 0.0  0.53 0.510 0.5030 0.5000000
## 0.67 0.70 0.753 0.7503 0.7485711
## 0.84 0.82 0.795 0.7980 0.7995458
## 1.28 0.91 0.899 0.9014 0.8997274
## 1.65 0.98 0.955 0.9527 0.9505285
## 2.32 0.99 0.993 0.9900 0.9898296
## 2.58 1.00 0.991 0.9941 0.9950600
## 3.09 1.00 0.999 0.9984 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```

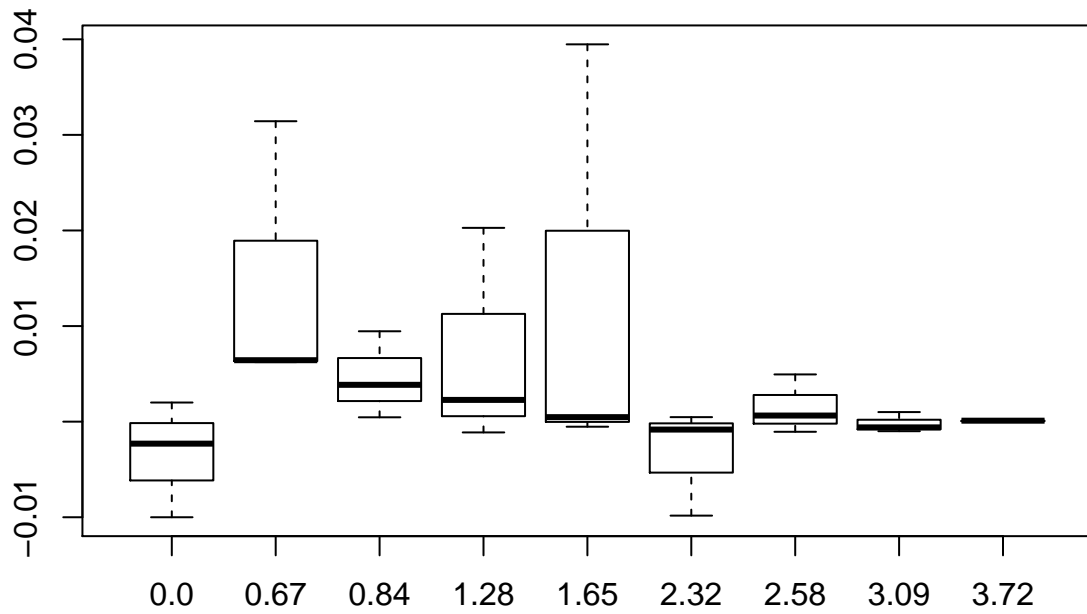
```
##      10^2  10^3  10^4      true
## 0.0  0.54 0.516 0.5040 0.5000000
## 0.67 0.72 0.734 0.7508 0.7485711
## 0.84 0.80 0.795 0.7943 0.7995458
## 1.28 0.88 0.892 0.8979 0.8997274
## 1.65 0.98 0.932 0.9537 0.9505285
## 2.32 1.00 0.990 0.9904 0.9898296
## 2.58 1.00 0.994 0.9958 0.9950600
## 3.09 1.00 0.995 0.9986 0.9989992
## 3.72 1.00 1.000 0.9998 0.9999004
```



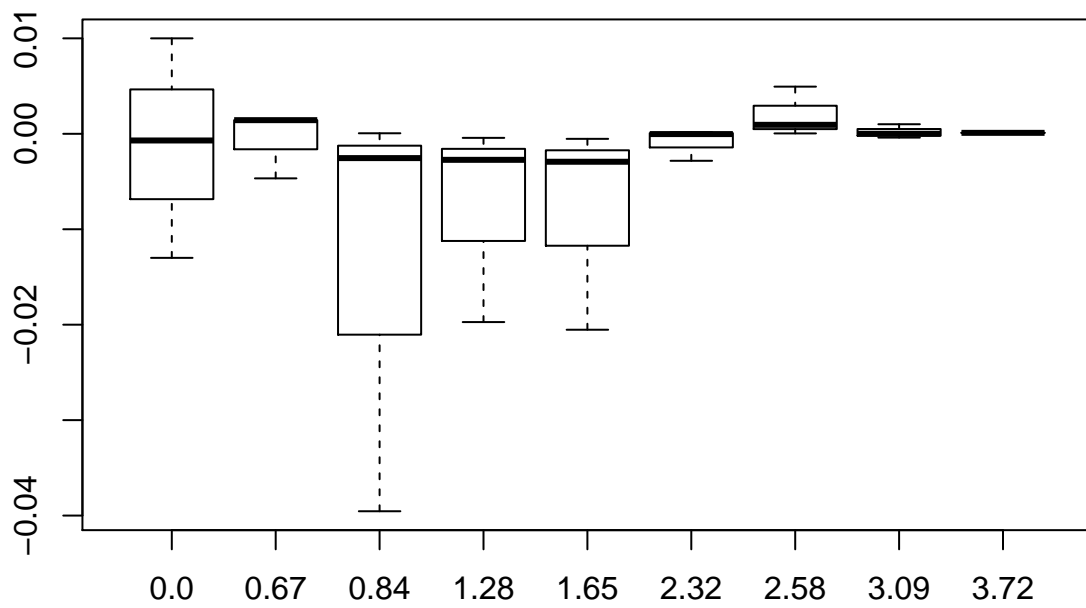
```
##      10^2  10^3  10^4      true
## 0.0  0.54  0.492  0.4985  0.5000000
## 0.67 0.66  0.750  0.7430  0.7485711
## 0.84 0.80  0.768  0.8069  0.7995458
## 1.28 0.88  0.894  0.9009  0.8997274
## 1.65 0.90  0.956  0.9519  0.9505285
## 2.32 1.00  0.990  0.9897  0.9898296
## 2.58 1.00  0.994  0.9954  0.9950600
## 3.09 1.00  1.000  0.9988  0.9989992
## 3.72 1.00  1.000  0.9997  0.9999004
```



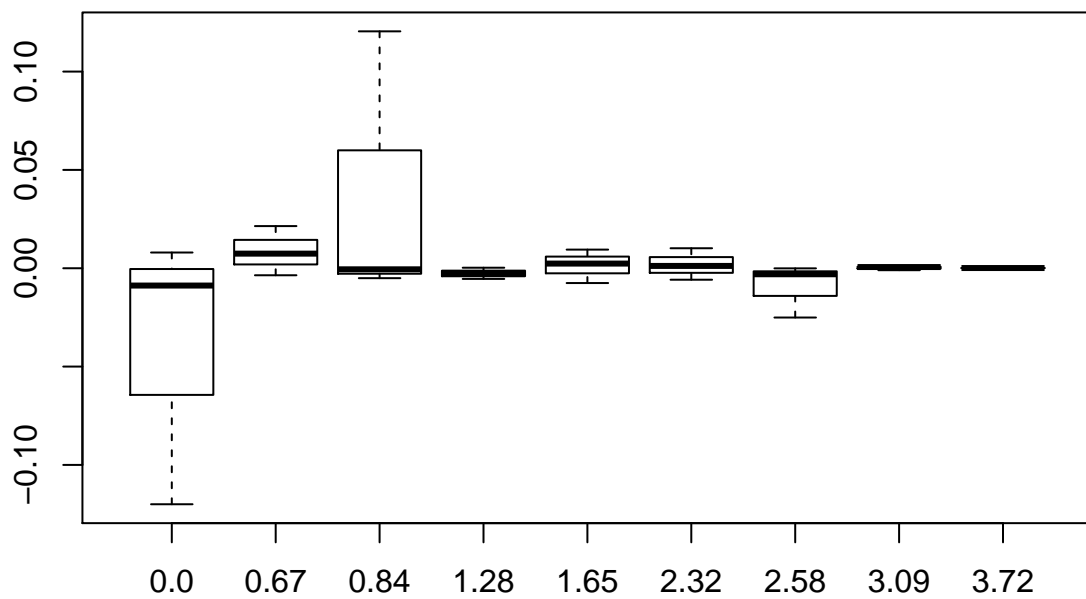
```
##      10^2 10^3 10^4      true
## 0.0  0.49 0.502 0.4977 0.5000000
## 0.67 0.78 0.755 0.7548 0.7485711
## 0.84 0.80 0.809 0.8034 0.7995458
## 1.28 0.92 0.902 0.8986 0.8997274
## 1.65 0.99 0.951 0.9500 0.9505285
## 2.32 0.98 0.989 0.9903 0.9898296
## 2.58 1.00 0.994 0.9957 0.9950600
## 3.09 1.00 0.998 0.9984 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



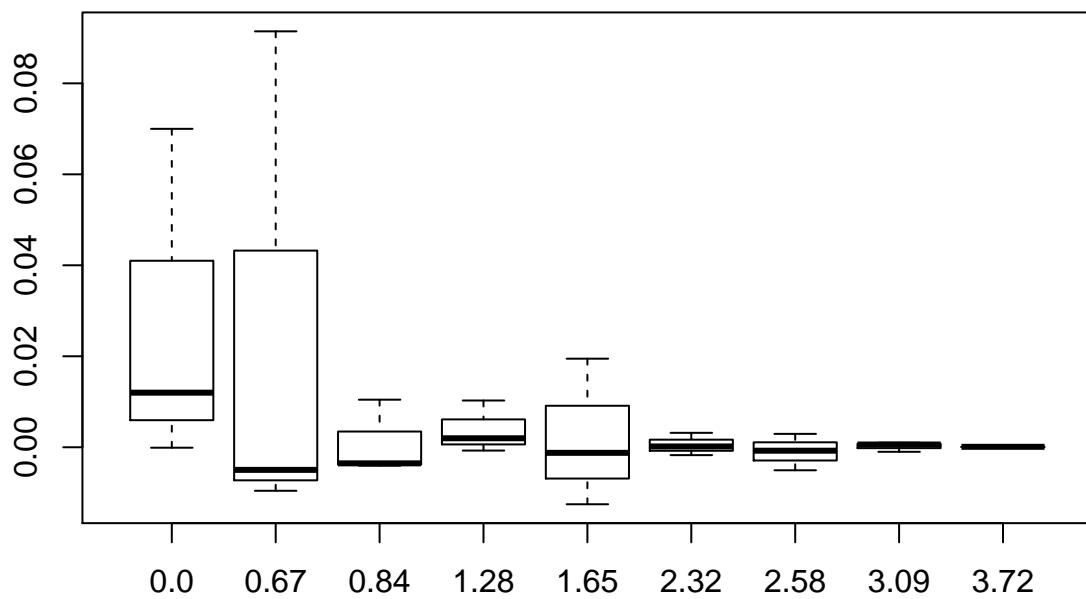
```
##      10^2 10^3 10^4      true
## 0.0  0.51 0.487 0.4993 0.5000000
## 0.67 0.75 0.750 0.7439 0.7485711
## 0.84 0.76 0.797 0.7996 0.7995458
## 1.28 0.88 0.897 0.8993 0.8997274
## 1.65 0.93 0.950 0.9476 0.9505285
## 2.32 0.99 0.987 0.9898 0.9898296
## 2.58 1.00 0.996 0.9951 0.9950600
## 3.09 1.00 0.999 0.9986 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



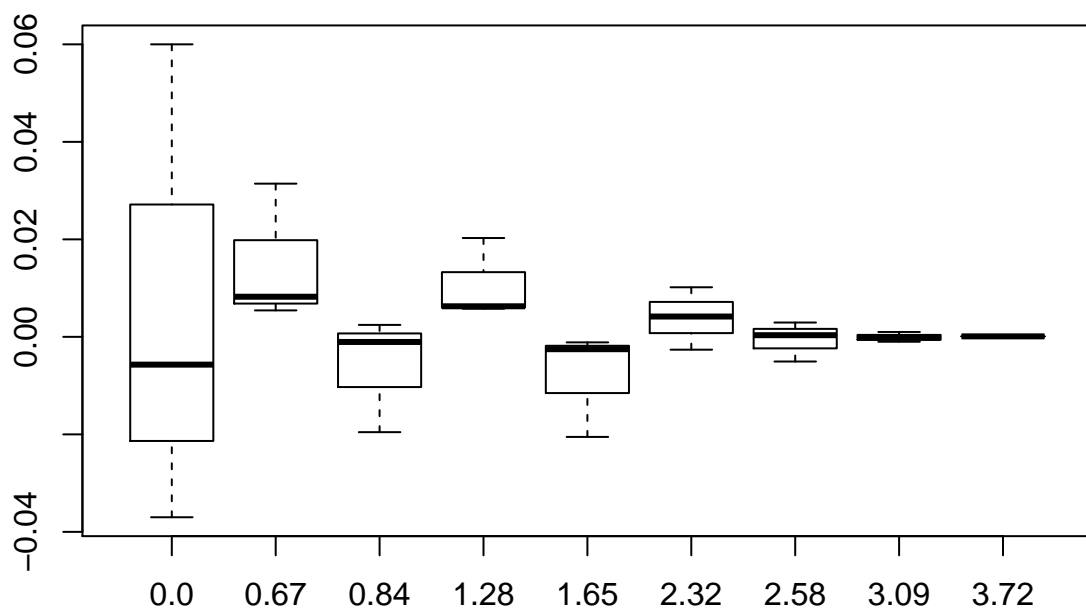
```
##      10^2 10^3 10^4      true
## 0.0  0.38 0.508 0.4912 0.5000000
## 0.67 0.77 0.756 0.7450 0.7485711
## 0.84 0.92 0.799 0.7945 0.7995458
## 1.28 0.90 0.897 0.8943 0.8997274
## 1.65 0.96 0.943 0.9529 0.9505285
## 2.32 1.00 0.984 0.9910 0.9898296
## 2.58 0.97 0.992 0.9950 0.9950600
## 3.09 1.00 0.998 0.9996 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



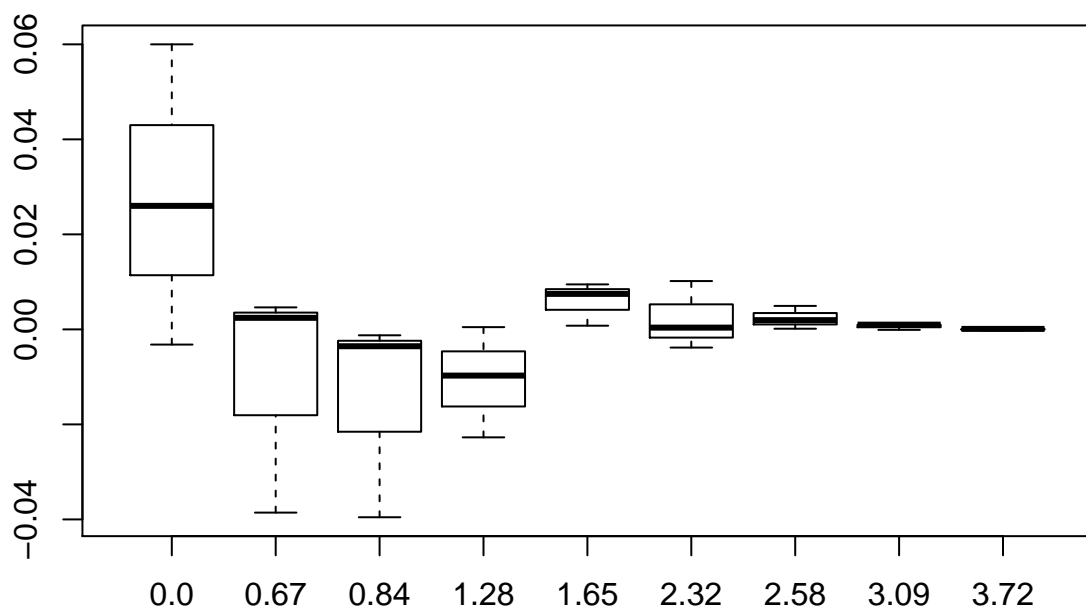
```
##      10^2 10^3  10^4    true
## 0.0  0.57 0.512 0.4999 0.5000000
## 0.67 0.84 0.739 0.7436 0.7485711
## 0.84 0.81 0.796 0.7955 0.7995458
## 1.28 0.91 0.899 0.9017 0.8997274
## 1.65 0.97 0.938 0.9493 0.9505285
## 2.32 0.99 0.993 0.9881 0.9898296
## 2.58 0.99 0.998 0.9943 0.9950600
## 3.09 1.00 0.998 0.9996 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



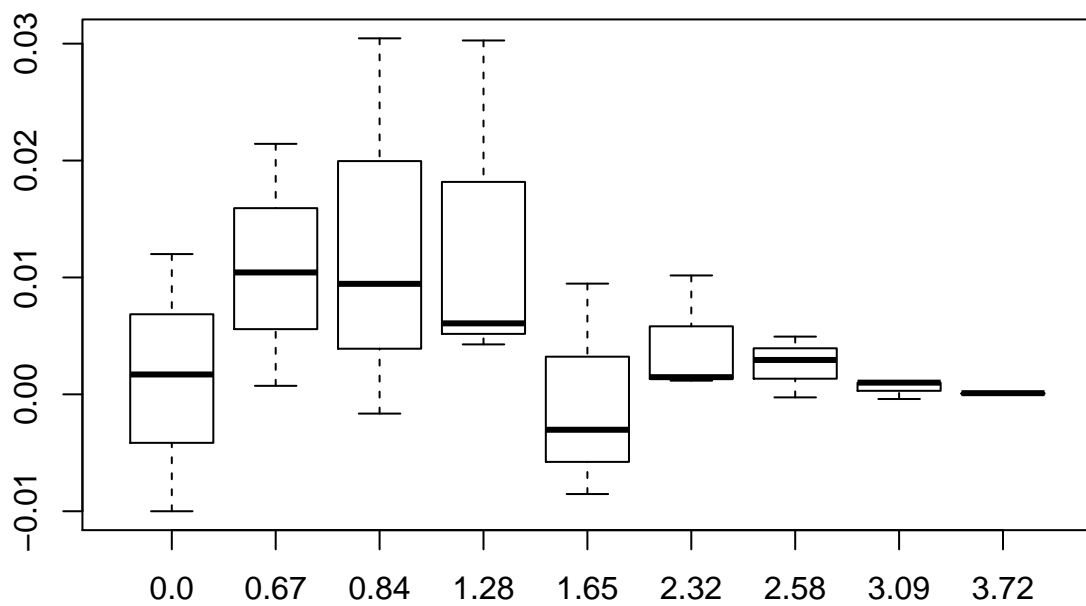
```
##      10^2 10^3 10^4      true
## 0.0 0.56 0.463 0.4943 0.5000000
## 0.67 0.78 0.754 0.7568 0.7485711
## 0.84 0.78 0.802 0.7985 0.7995458
## 1.28 0.92 0.906 0.9055 0.8997274
## 1.65 0.93 0.948 0.9494 0.9505285
## 2.32 1.00 0.994 0.9872 0.9898296
## 2.58 0.99 0.998 0.9954 0.9950600
## 3.09 1.00 0.998 0.9988 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



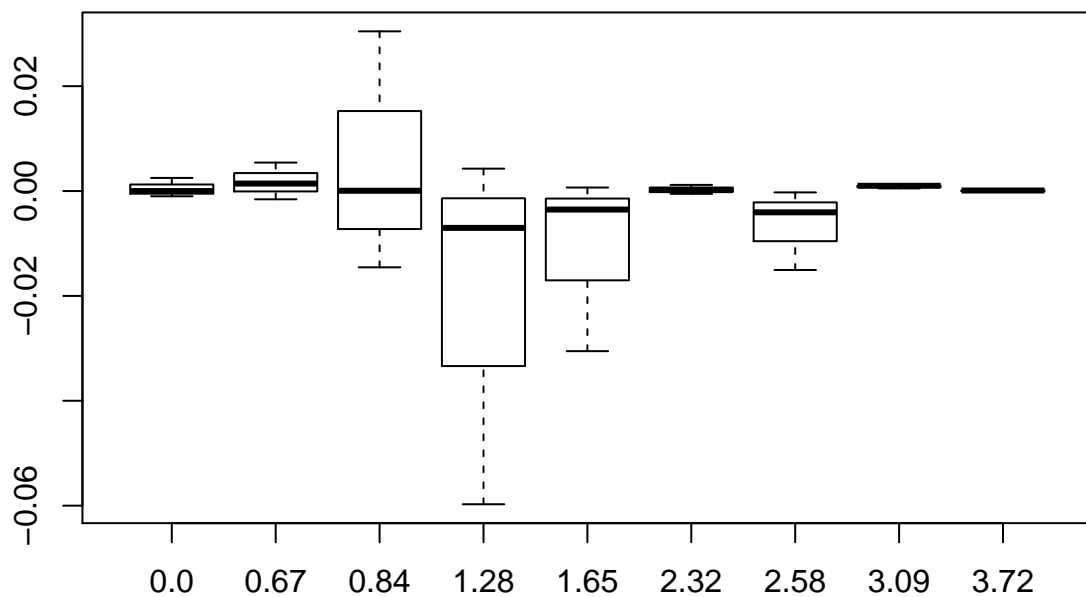
```
##      10^2 10^3 10^4      true
## 0.0 0.56 0.526 0.4968 0.5000000
## 0.67 0.71 0.751 0.7532 0.7485711
## 0.84 0.76 0.796 0.7983 0.7995458
## 1.28 0.89 0.877 0.9002 0.8997274
## 1.65 0.96 0.958 0.9513 0.9505285
## 2.32 1.00 0.986 0.9902 0.9898296
## 2.58 1.00 0.997 0.9952 0.9950600
## 3.09 1.00 1.000 0.9989 0.9989992
## 3.72 1.00 1.000 0.9997 0.9999004
```

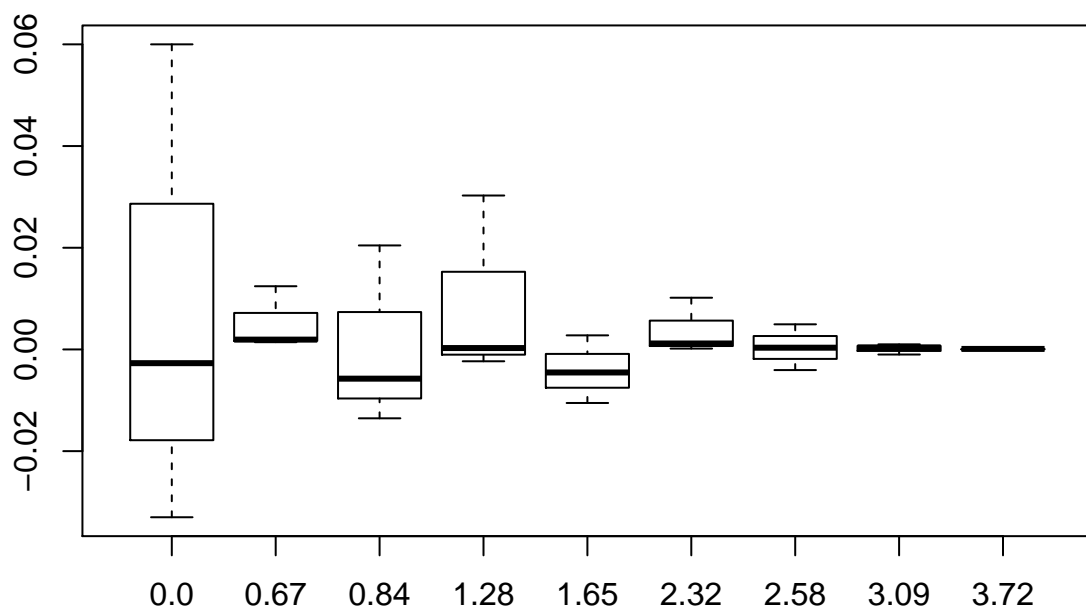
```
##      10^2 10^3 10^4      true
## 0.0  0.49 0.512 0.5017 0.5000000
## 0.67 0.77 0.759 0.7493 0.7485711
## 0.84 0.83 0.809 0.7979 0.7995458
## 1.28 0.93 0.904 0.9058 0.8997274
## 1.65 0.96 0.942 0.9475 0.9505285
## 2.32 1.00 0.991 0.9913 0.9898296
## 2.58 1.00 0.998 0.9948 0.9950600
## 3.09 1.00 1.000 0.9986 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



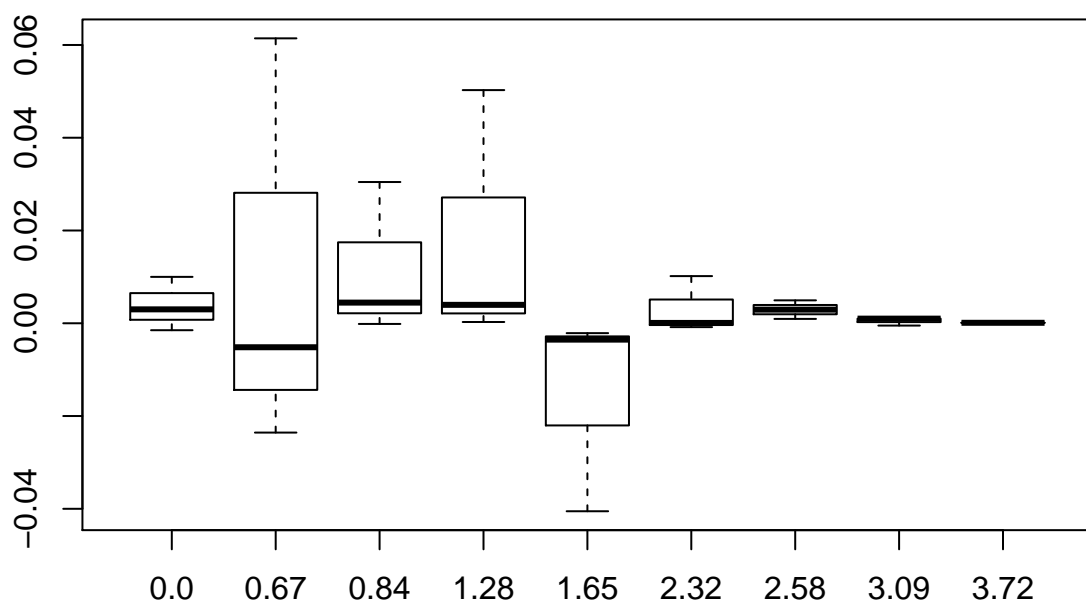
```
##      10^2 10^3  10^4      true
## 0.0  0.50 0.499 0.5025 0.5000000
## 0.67 0.75 0.754 0.7470 0.7485711
## 0.84 0.83 0.785 0.7996 0.7995458
## 1.28 0.84 0.904 0.8927 0.8997274
## 1.65 0.92 0.947 0.9512 0.9505285
## 2.32 0.99 0.991 0.9893 0.9898296
## 2.58 0.98 0.991 0.9948 0.9950600
## 3.09 1.00 1.000 0.9995 0.9989992
## 3.72 1.00 1.000 0.9998 0.9999004
```



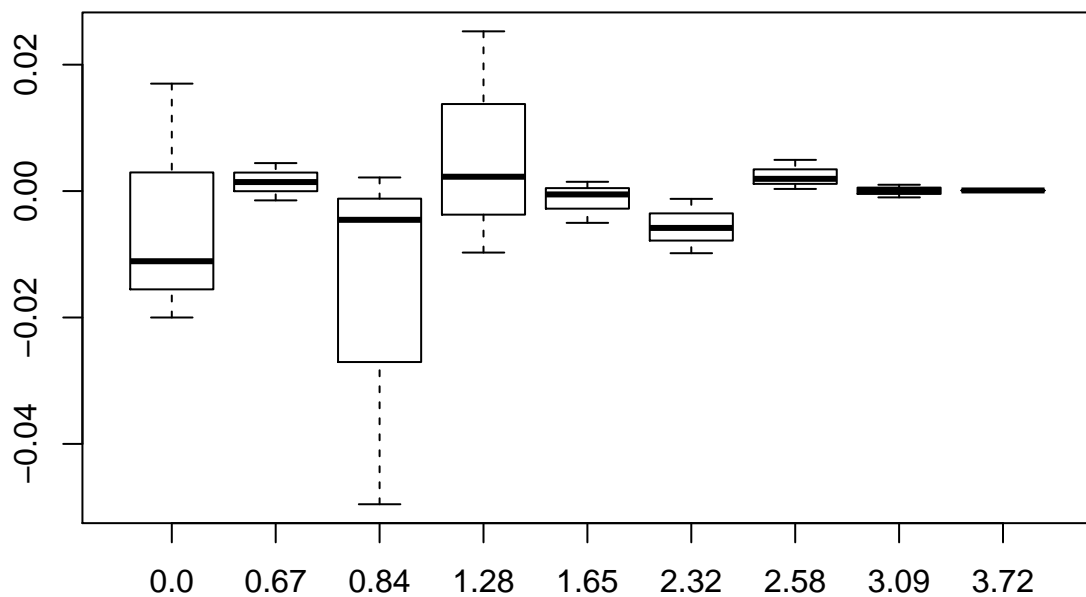
```
##      10^2 10^3 10^4      true
## 0.0  0.56 0.467 0.4973 0.5000000
## 0.67 0.75 0.761 0.7505 0.7485711
## 0.84 0.82 0.786 0.7938 0.7995458
## 1.28 0.93 0.900 0.8974 0.8997274
## 1.65 0.94 0.946 0.9533 0.9505285
## 2.32 1.00 0.991 0.9900 0.9898296
## 2.58 1.00 0.991 0.9954 0.9950600
## 3.09 1.00 0.998 0.9994 0.9989992
## 3.72 1.00 1.000 0.9998 0.9999004
```



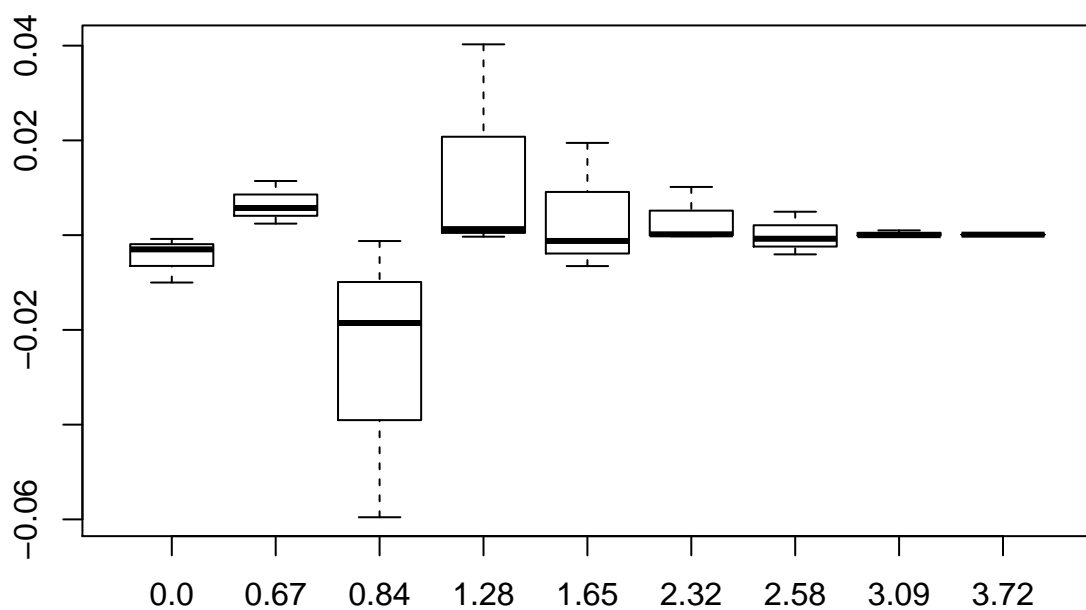
##	10^2	10^3	10^4	true
## 0.0	0.51	0.503	0.4985	0.5000000
## 0.67	0.81	0.725	0.7434	0.7485711
## 0.84	0.83	0.804	0.7994	0.7995458
## 1.28	0.95	0.900	0.9037	0.8997274
## 1.65	0.91	0.947	0.9484	0.9505285
## 2.32	1.00	0.989	0.9899	0.9898296
## 2.58	1.00	0.998	0.9960	0.9950600
## 3.09	1.00	1.000	0.9985	0.9989992
## 3.72	1.00	1.000	1.0000	0.9999004



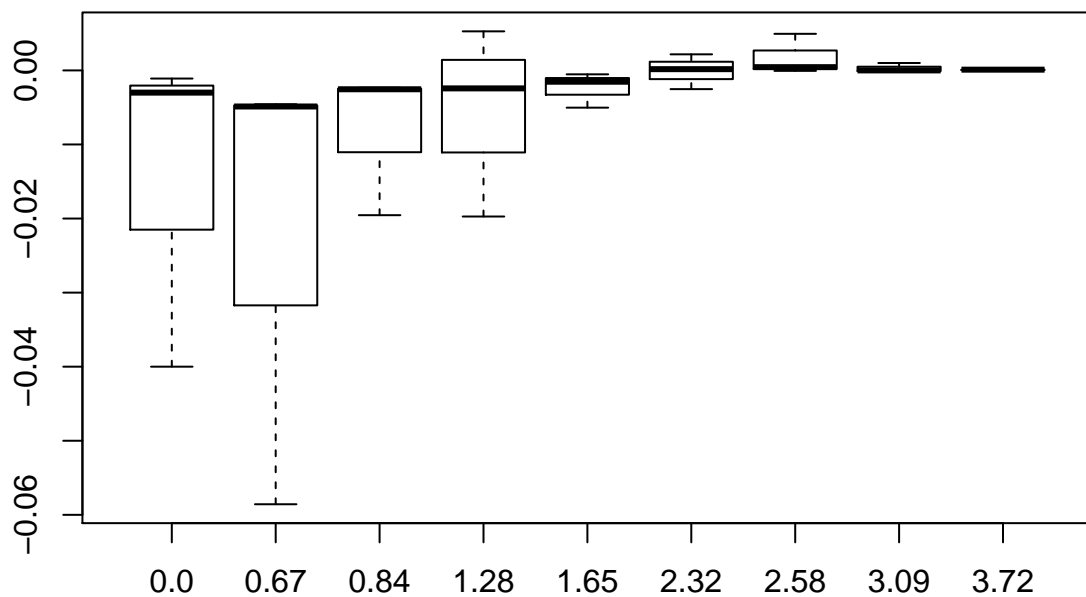
```
##      10^2 10^3 10^4      true
## 0.0 0.48 0.517 0.4889 0.5000000
## 0.67 0.75 0.753 0.7471 0.7485711
## 0.84 0.75 0.795 0.8017 0.7995458
## 1.28 0.89 0.925 0.9020 0.8997274
## 1.65 0.95 0.952 0.9455 0.9505285
## 2.32 0.98 0.984 0.9886 0.9898296
## 2.58 1.00 0.997 0.9954 0.9950600
## 3.09 1.00 0.998 0.9991 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



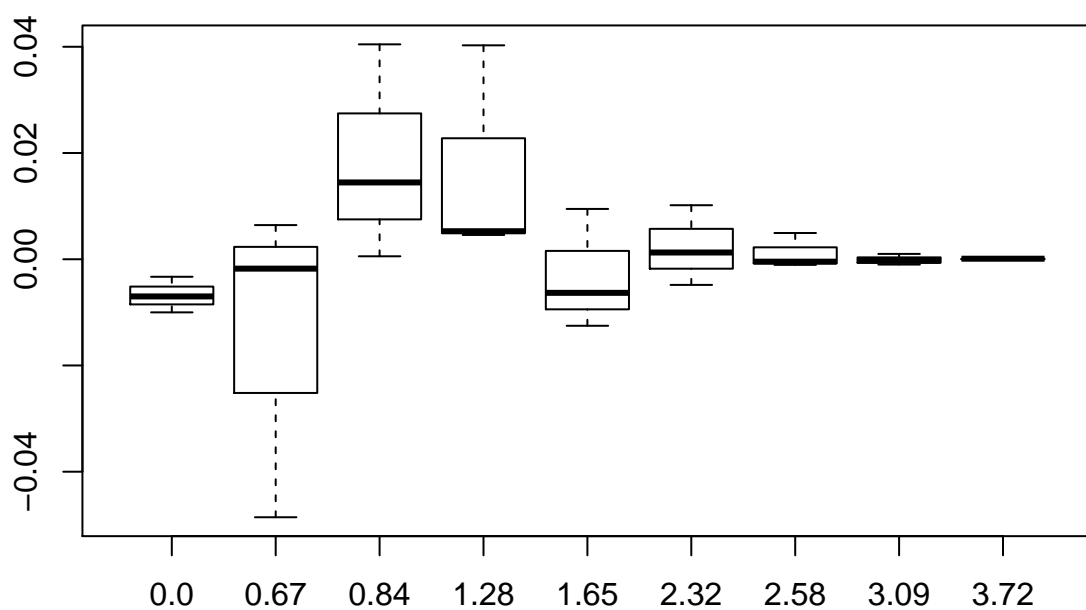
```
##      10^2 10^3  10^4      true
## 0.0  0.49 0.497 0.4992 0.5000000
## 0.67 0.76 0.751 0.7543 0.7485711
## 0.84 0.74 0.781 0.7983 0.7995458
## 1.28 0.94 0.901 0.8994 0.8997274
## 1.65 0.97 0.944 0.9493 0.9505285
## 2.32 1.00 0.990 0.9896 0.9898296
## 2.58 1.00 0.991 0.9943 0.9950600
## 3.09 1.00 0.999 0.9988 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



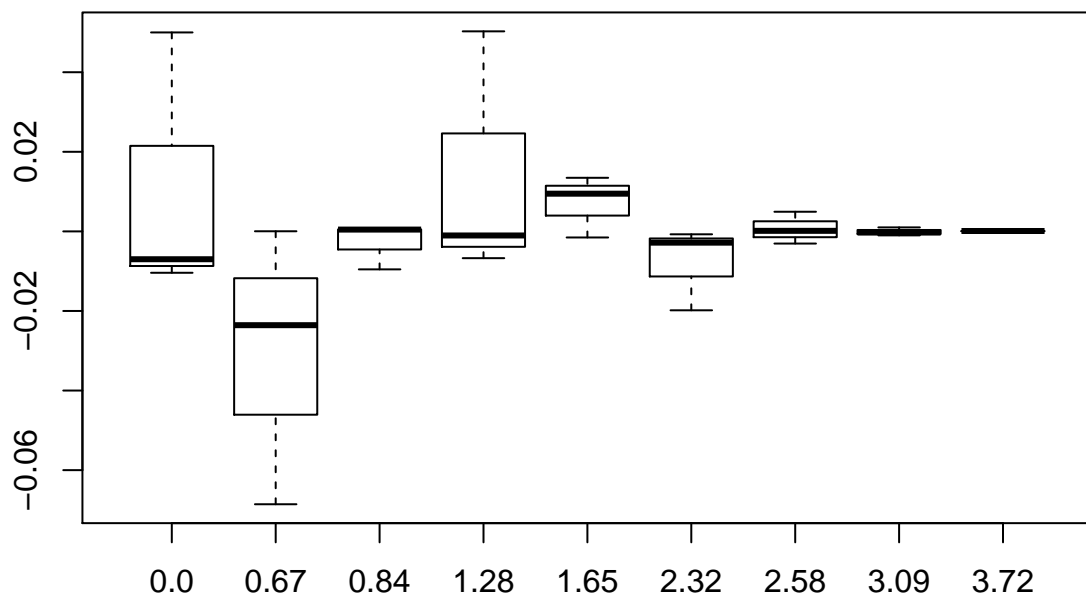
```
##      10^2 10^3 10^4      true
## 0.0  0.46 0.497 0.4989 0.5000000
## 0.67 0.69 0.744 0.7437 0.7485711
## 0.84 0.78 0.797 0.7972 0.7995458
## 1.28 0.88 0.905 0.8973 0.8997274
## 1.65 0.95 0.949 0.9455 0.9505285
## 2.32 0.99 0.992 0.9873 0.9898296
## 2.58 1.00 0.995 0.9955 0.9950600
## 3.09 1.00 0.999 0.9988 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



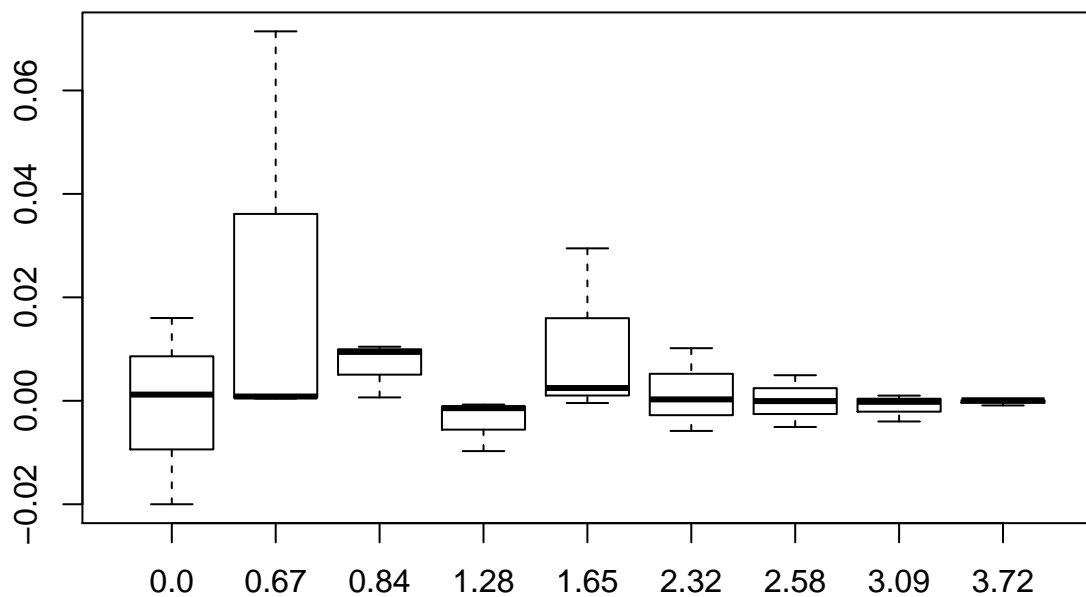
```
##      10^2 10^3 10^4      true
## 0.0 0.49 0.493 0.4967 0.5000000
## 0.67 0.70 0.755 0.7468 0.7485711
## 0.84 0.84 0.814 0.8001 0.7995458
## 1.28 0.94 0.905 0.9043 0.8997274
## 1.65 0.96 0.938 0.9442 0.9505285
## 2.32 1.00 0.985 0.9911 0.9898296
## 2.58 1.00 0.994 0.9946 0.9950600
## 3.09 1.00 0.998 0.9987 0.9989992
## 3.72 1.00 1.000 0.9998 0.9999004
```

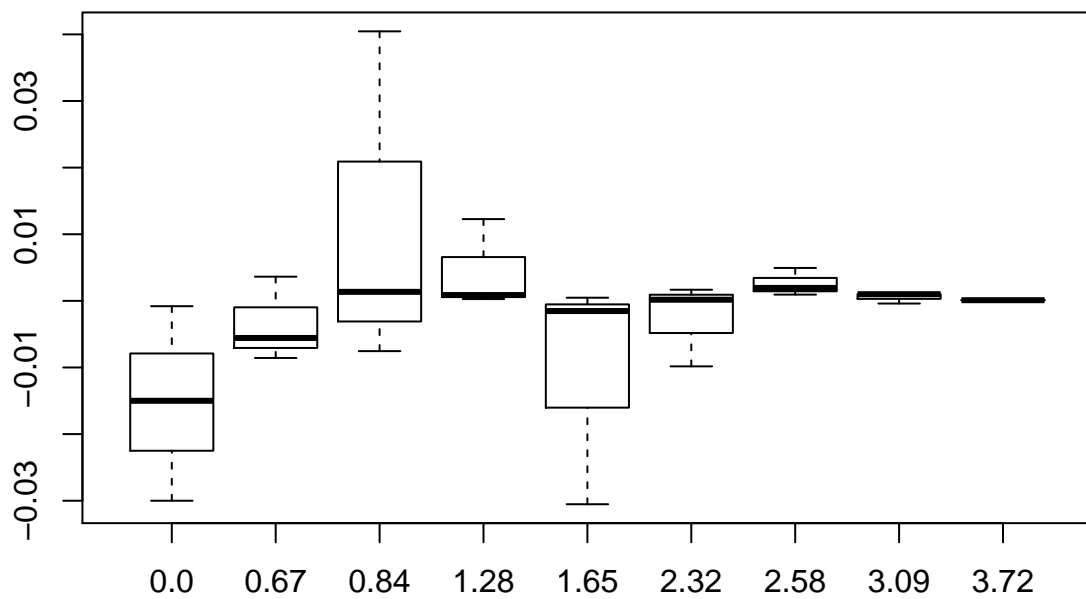
```
##      10^2 10^3 10^4      true
## 0.0  0.55 0.493 0.4896 0.5000000
## 0.67 0.68 0.725 0.7486 0.7485711
## 0.84 0.79 0.800 0.8001 0.7995458
## 1.28 0.95 0.893 0.8987 0.8997274
## 1.65 0.96 0.964 0.9490 0.9505285
## 2.32 0.97 0.987 0.9891 0.9898296
## 2.58 1.00 0.992 0.9952 0.9950600
## 3.09 1.00 0.998 0.9987 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



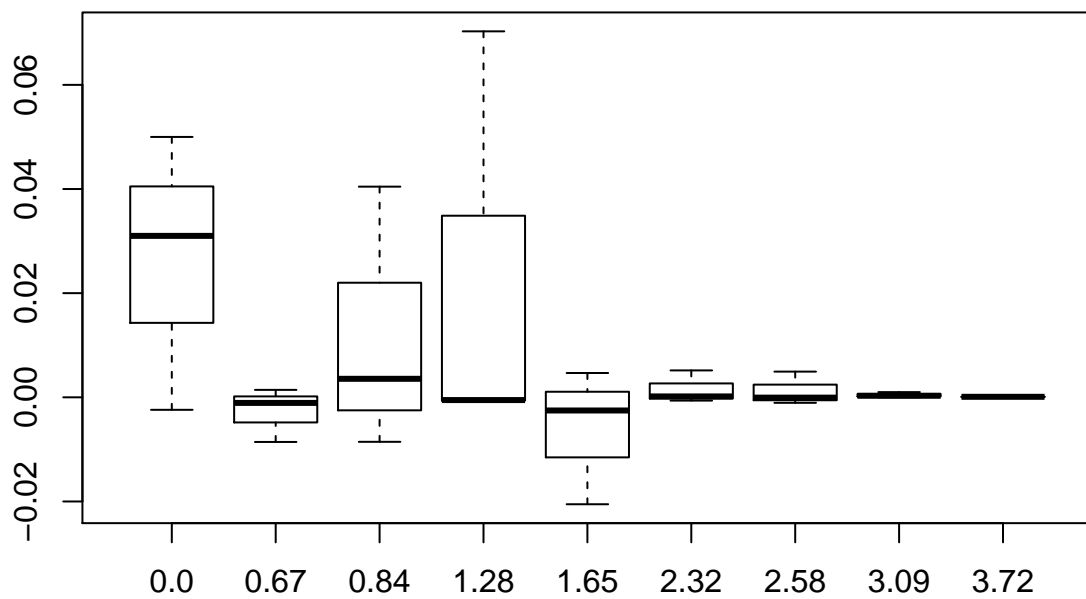
##		10^2	10^3	10^4	true
##	0.0	0.48	0.516	0.5012	0.5000000
##	0.67	0.82	0.749	0.7494	0.7485711
##	0.84	0.81	0.809	0.8002	0.7995458
##	1.28	0.89	0.899	0.8983	0.8997274
##	1.65	0.98	0.953	0.9501	0.9505285
##	2.32	1.00	0.984	0.9901	0.9898296
##	2.58	1.00	0.990	0.9950	0.9950600
##	3.09	1.00	0.995	0.9988	0.9989992
##	3.72	1.00	0.999	1.0000	0.9999004



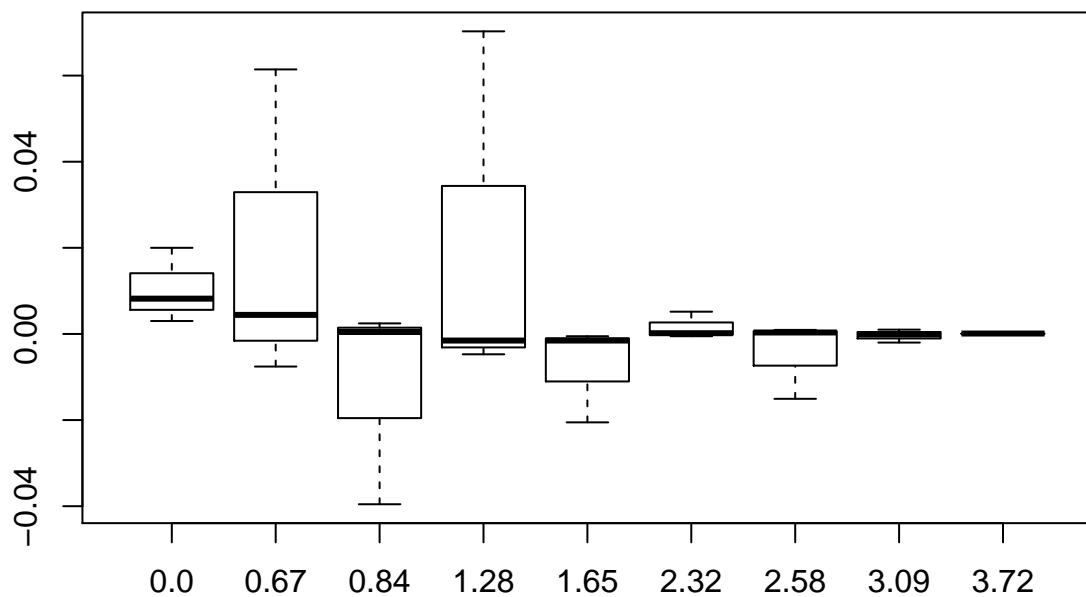
```
##      10^2 10^3 10^4      true
## 0.0  0.47 0.485 0.4992 0.5000000
## 0.67 0.74 0.743 0.7522 0.7485711
## 0.84 0.84 0.792 0.8009 0.7995458
## 1.28 0.90 0.912 0.9006 0.8997274
## 1.65 0.92 0.949 0.9510 0.9505285
## 2.32 0.98 0.990 0.9915 0.9898296
## 2.58 1.00 0.997 0.9960 0.9950600
## 3.09 1.00 1.000 0.9986 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



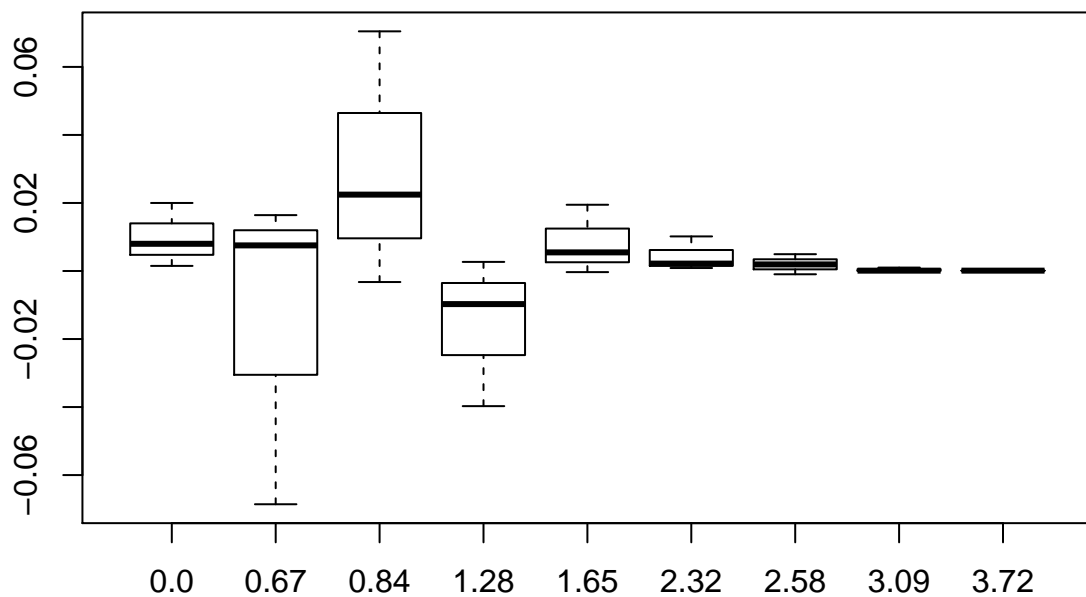
```
##      10^2 10^3 10^4      true
## 0.0 0.55 0.531 0.4976 0.5000000
## 0.67 0.74 0.750 0.7475 0.7485711
## 0.84 0.84 0.791 0.8031 0.7995458
## 1.28 0.97 0.899 0.8992 0.8997274
## 1.65 0.93 0.948 0.9552 0.9505285
## 2.32 0.99 0.995 0.9892 0.9898296
## 2.58 1.00 0.994 0.9950 0.9950600
## 3.09 1.00 0.999 0.9993 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



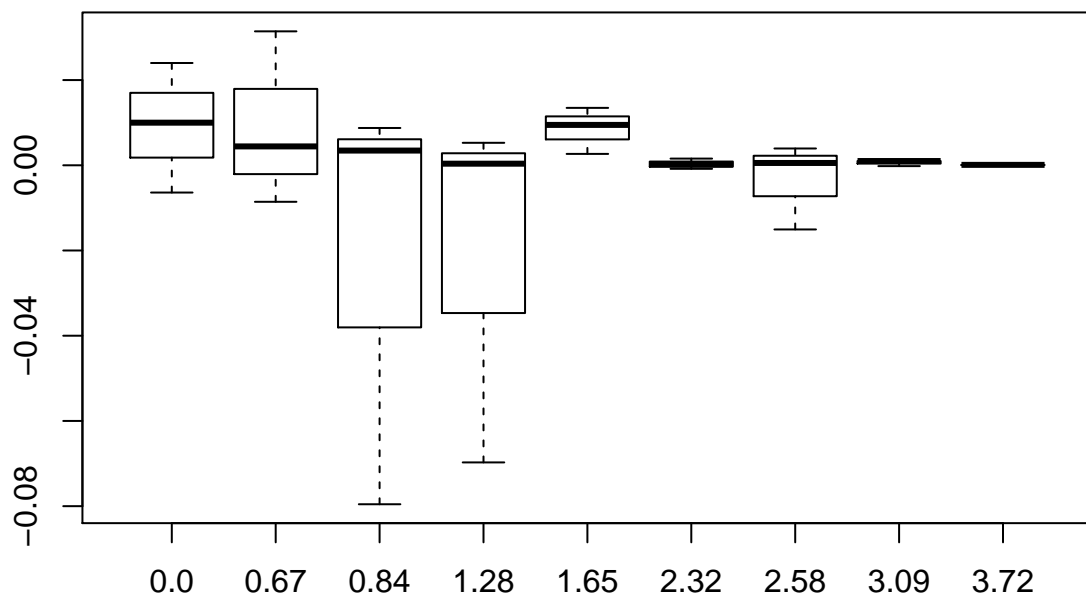
```
##      10^2 10^3 10^4      true
## 0.0  0.52 0.503 0.5082 0.5000000
## 0.67 0.81 0.741 0.7530 0.7485711
## 0.84 0.76 0.802 0.8000 0.7995458
## 1.28 0.97 0.895 0.8982 0.8997274
## 1.65 0.93 0.950 0.9490 0.9505285
## 2.32 0.99 0.995 0.9893 0.9898296
## 2.58 0.98 0.996 0.9954 0.9950600
## 3.09 1.00 0.997 0.9989 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



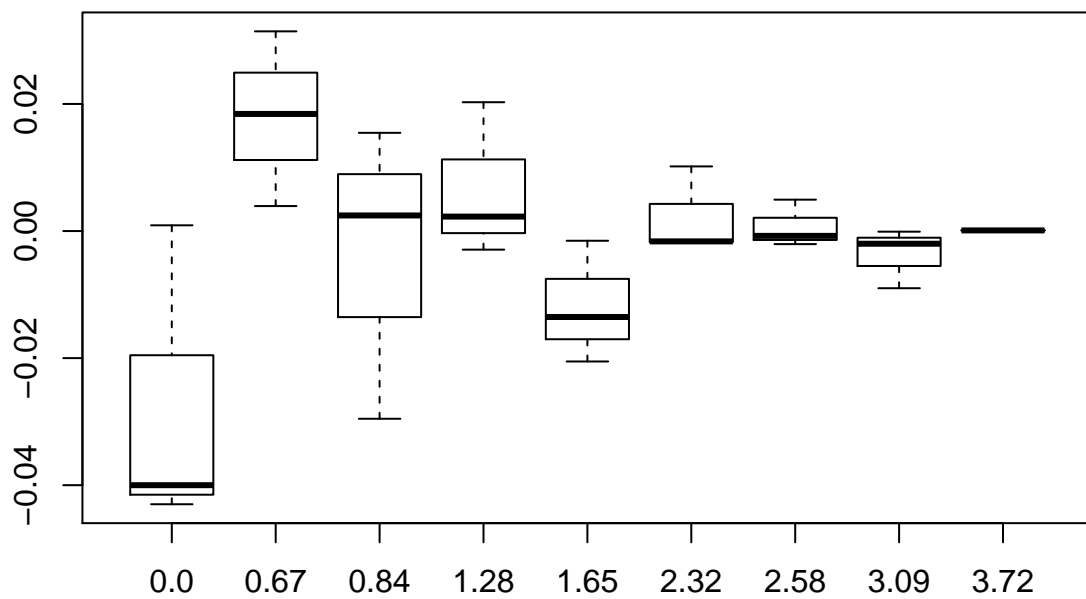
```
##      10^2 10^3 10^4      true
## 0.0  0.52 0.508 0.5015 0.5000000
## 0.67 0.68 0.765 0.7561 0.7485711
## 0.84 0.87 0.822 0.7963 0.7995458
## 1.28 0.86 0.890 0.9024 0.8997274
## 1.65 0.97 0.956 0.9502 0.9505285
## 2.32 1.00 0.992 0.9907 0.9898296
## 2.58 1.00 0.997 0.9941 0.9950600
## 3.09 1.00 0.999 0.9991 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



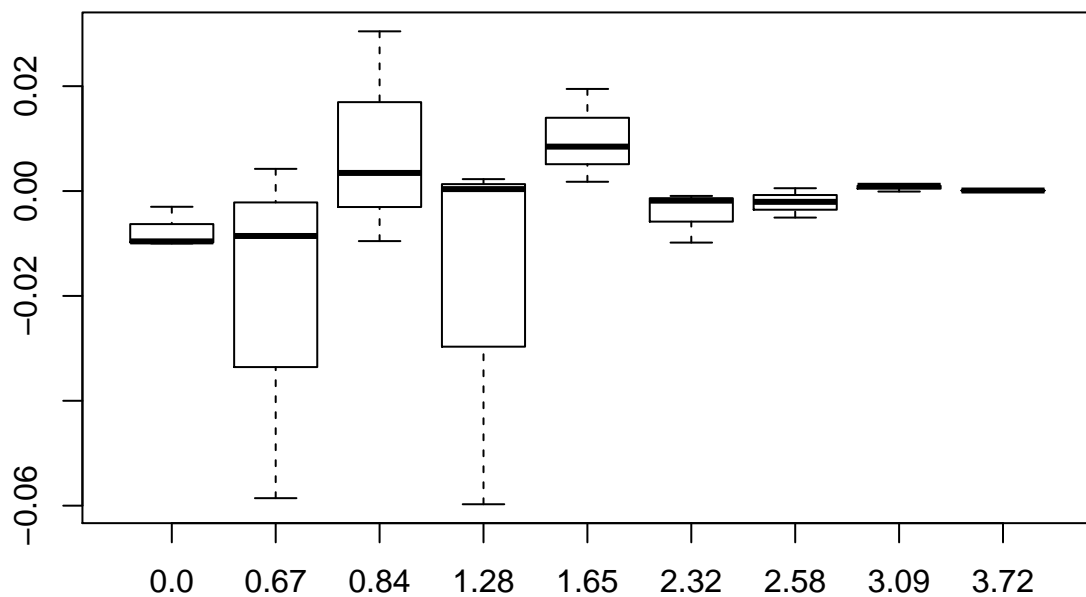
```
##      10^2 10^3 10^4      true
## 0.0 0.51 0.524 0.4936 0.5000000
## 0.67 0.78 0.740 0.7530 0.7485711
## 0.84 0.72 0.803 0.8083 0.7995458
## 1.28 0.83 0.905 0.9001 0.8997274
## 1.65 0.96 0.964 0.9532 0.9505285
## 2.32 0.99 0.989 0.9914 0.9898296
## 2.58 0.98 0.999 0.9956 0.9950600
## 3.09 1.00 1.000 0.9988 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



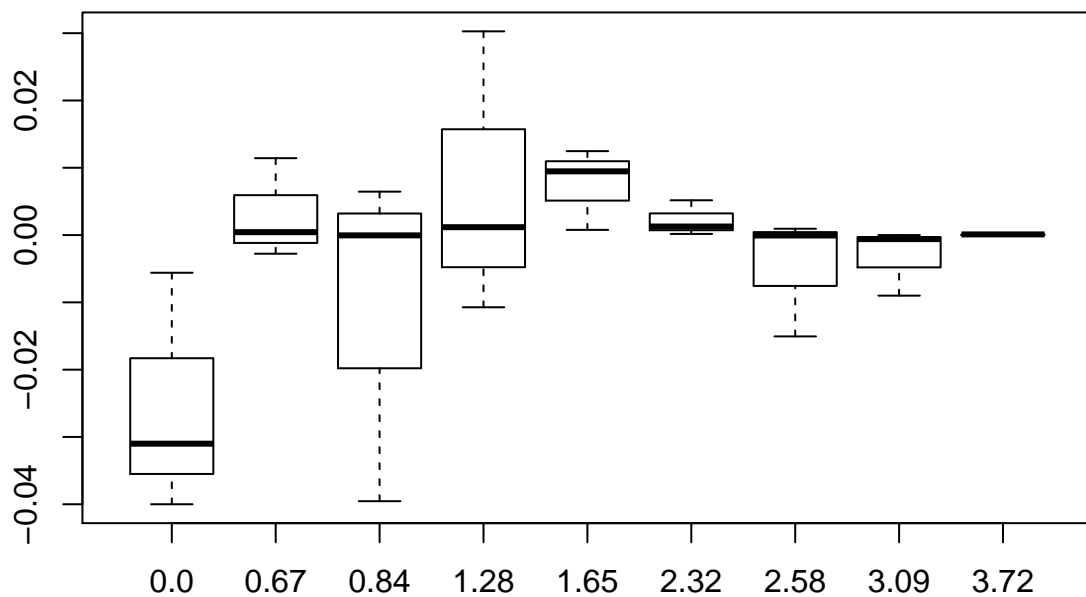
```
##      10^2 10^3 10^4      true
## 0.0  0.46 0.457 0.5009 0.5000000
## 0.67 0.78 0.767 0.7525 0.7485711
## 0.84 0.77 0.815 0.8020 0.7995458
## 1.28 0.92 0.902 0.8968 0.8997274
## 1.65 0.93 0.937 0.9490 0.9505285
## 2.32 1.00 0.988 0.9882 0.9898296
## 2.58 1.00 0.993 0.9943 0.9950600
## 3.09 0.99 0.997 0.9989 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```

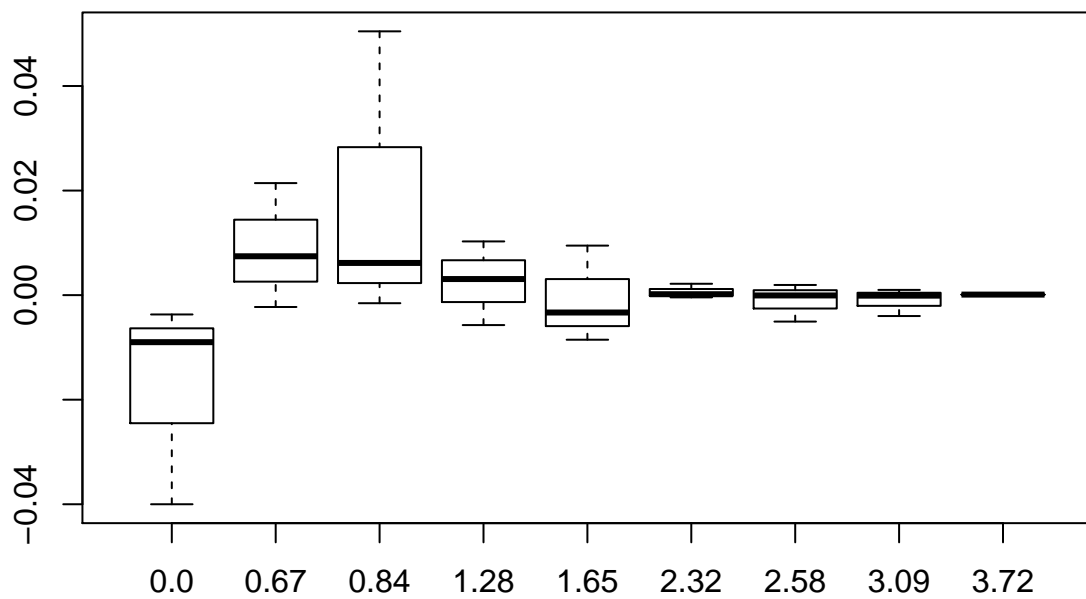
```
##      10^2  10^3   10^4    true
## 0.0  0.49 0.497 0.4904 0.5000000
## 0.67 0.69 0.740 0.7528 0.7485711
## 0.84 0.83 0.790 0.8030 0.7995458
## 1.28 0.84 0.902 0.9001 0.8997274
## 1.65 0.97 0.959 0.9523 0.9505285
## 2.32 0.98 0.988 0.9889 0.9898296
## 2.58 0.99 0.993 0.9956 0.9950600
## 3.09 1.00 1.000 0.9989 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



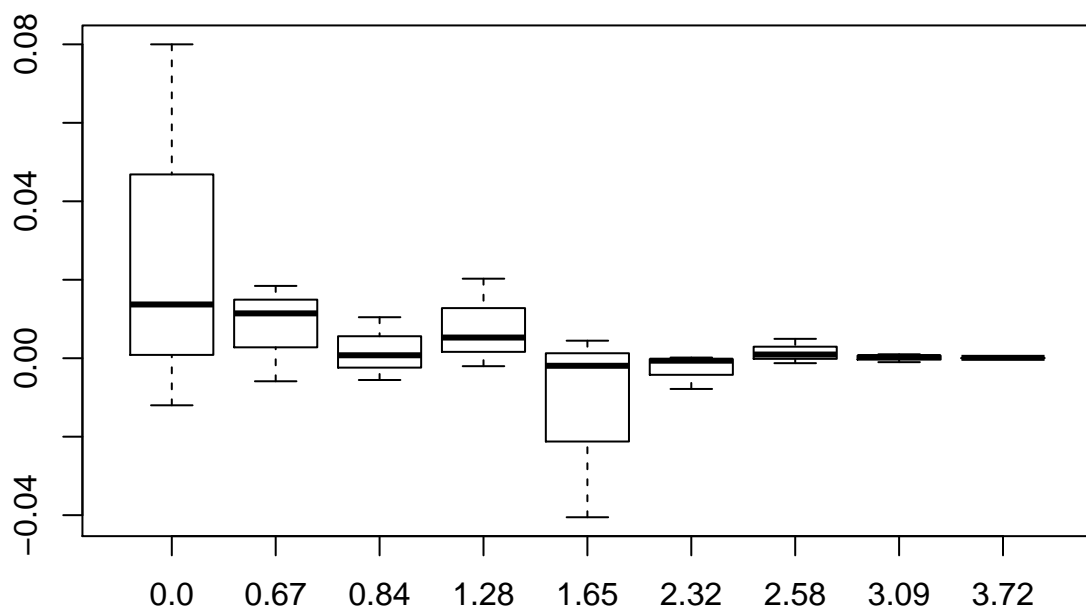
```
##      10^2  10^3   10^4    true
## 0.0  0.46 0.469 0.4944 0.5000000
## 0.67 0.76 0.749 0.7458 0.7485711
## 0.84 0.76 0.806 0.7995 0.7995458
## 1.28 0.93 0.889 0.9009 0.8997274
## 1.65 0.96 0.963 0.9513 0.9505285
## 2.32 0.99 0.995 0.9911 0.9898296
## 2.58 0.98 0.995 0.9960 0.9950600
## 3.09 0.99 0.999 0.9984 0.9989992
## 3.72 1.00 1.000 0.9998 0.9999004
```



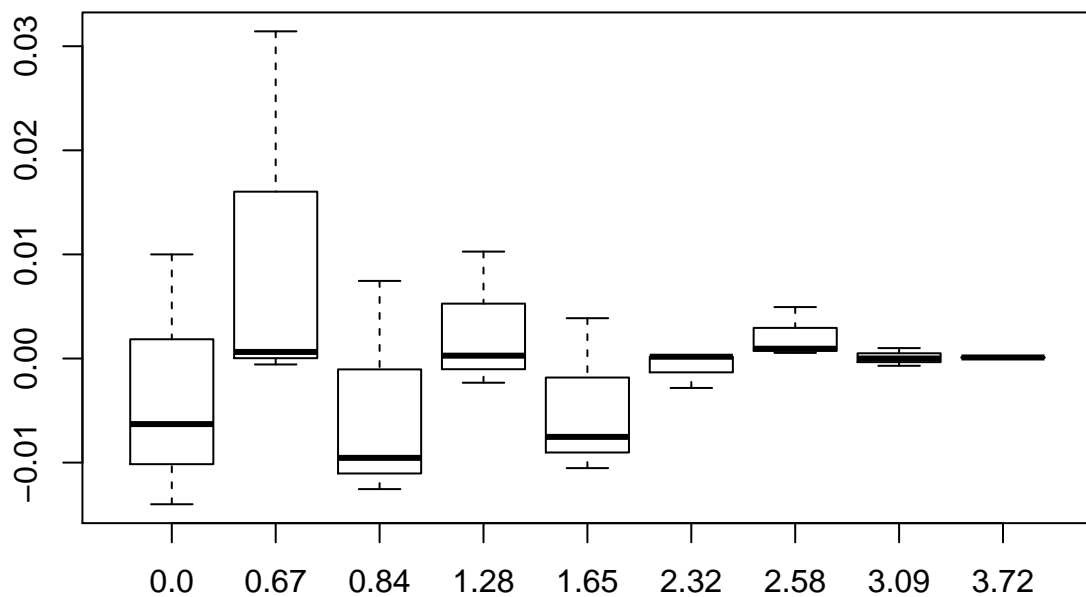
```
##      10^2  10^3   10^4    true
## 0.0  0.46 0.491 0.4963 0.5000000
## 0.67 0.77 0.756 0.7463 0.7485711
## 0.84 0.85 0.798 0.8057 0.7995458
## 1.28 0.91 0.894 0.9028 0.8997274
## 1.65 0.96 0.942 0.9472 0.9505285
## 2.32 0.99 0.992 0.9894 0.9898296
## 2.58 0.99 0.997 0.9950 0.9950600
## 3.09 1.00 0.995 0.9989 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



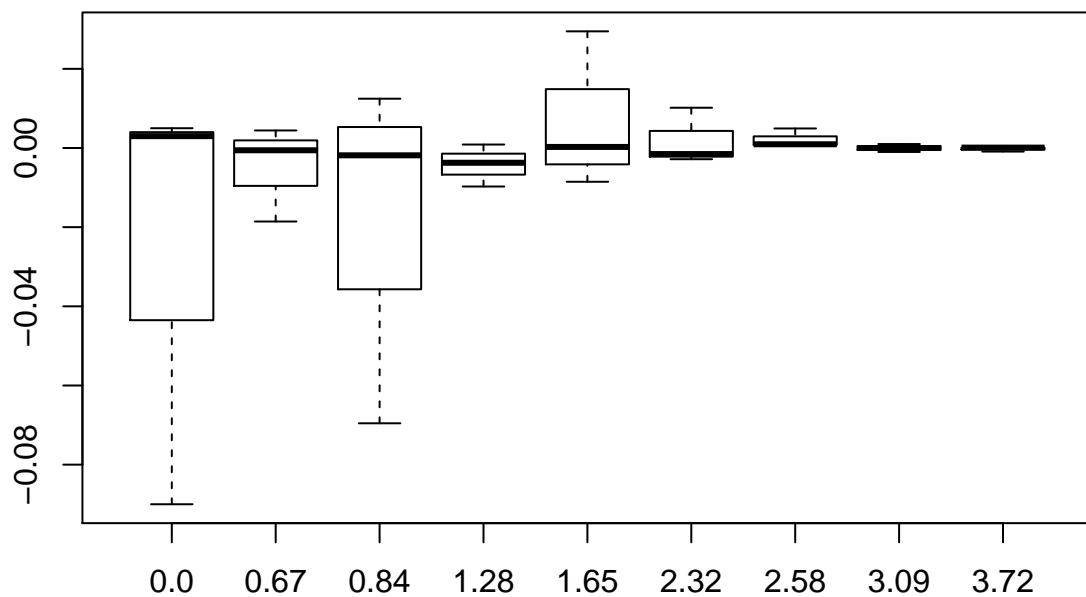
```
##      10^2 10^3 10^4      true
## 0.0 0.58 0.488 0.5137 0.5000000
## 0.67 0.76 0.767 0.7427 0.7485711
## 0.84 0.81 0.794 0.8003 0.7995458
## 1.28 0.92 0.905 0.8977 0.8997274
## 1.65 0.91 0.955 0.9486 0.9505285
## 2.32 0.99 0.982 0.9892 0.9898296
## 2.58 1.00 0.996 0.9938 0.9950600
## 3.09 1.00 0.998 0.9993 0.9989992
## 3.72 1.00 1.000 0.9998 0.9999004
```



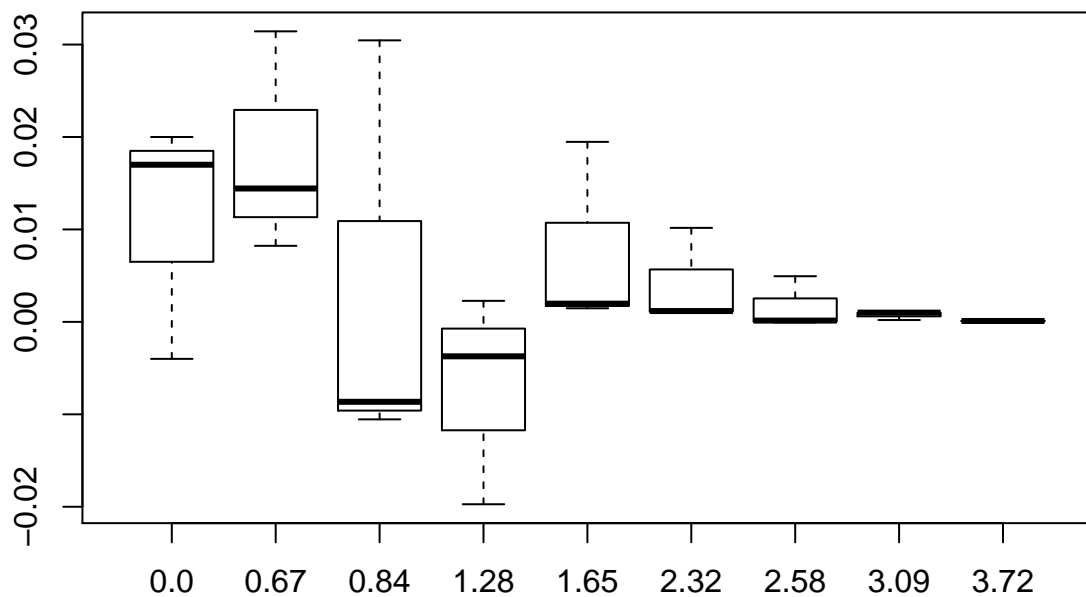
```
##      10^2 10^3  10^4      true
## 0.0  0.51 0.486 0.4937 0.5000000
## 0.67 0.78 0.748 0.7492 0.7485711
## 0.84 0.79 0.787 0.8070 0.7995458
## 1.28 0.91 0.900 0.8974 0.8997274
## 1.65 0.94 0.943 0.9544 0.9505285
## 2.32 0.99 0.987 0.9900 0.9898296
## 2.58 1.00 0.996 0.9956 0.9950600
## 3.09 1.00 0.999 0.9983 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



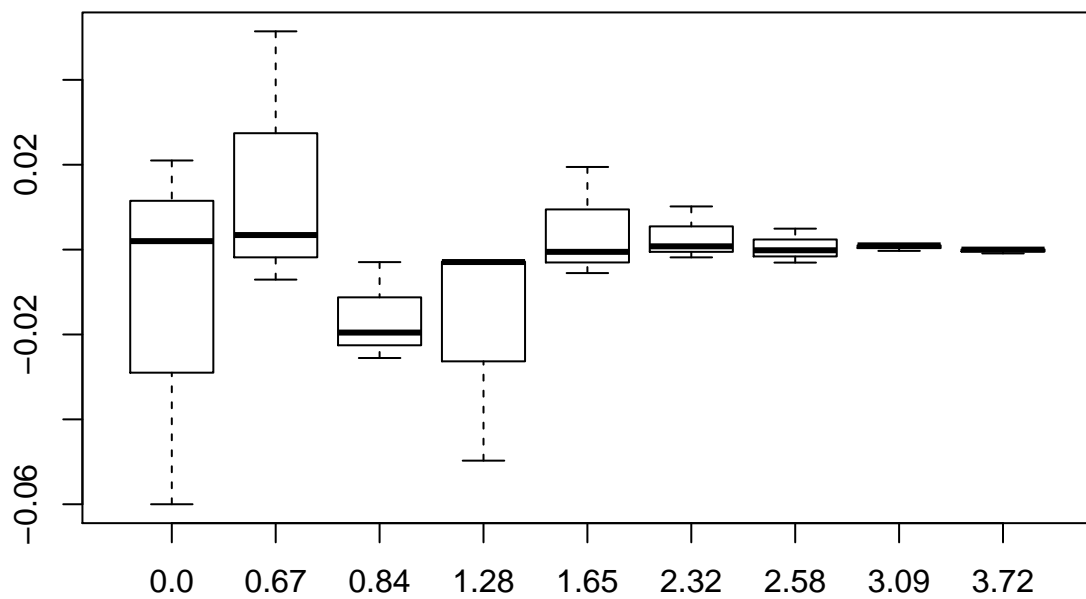
```
##      10^2 10^3  10^4      true
## 0.0  0.41 0.505 0.5030 0.5000000
## 0.67 0.73 0.753 0.7480 0.7485711
## 0.84 0.73 0.812 0.7977 0.7995458
## 1.28 0.89 0.896 0.9006 0.8997274
## 1.65 0.98 0.942 0.9508 0.9505285
## 2.32 1.00 0.987 0.9883 0.9898296
## 2.58 1.00 0.996 0.9957 0.9950600
## 3.09 1.00 0.998 0.9990 0.9989992
## 3.72 1.00 0.999 1.0000 0.9999004
```



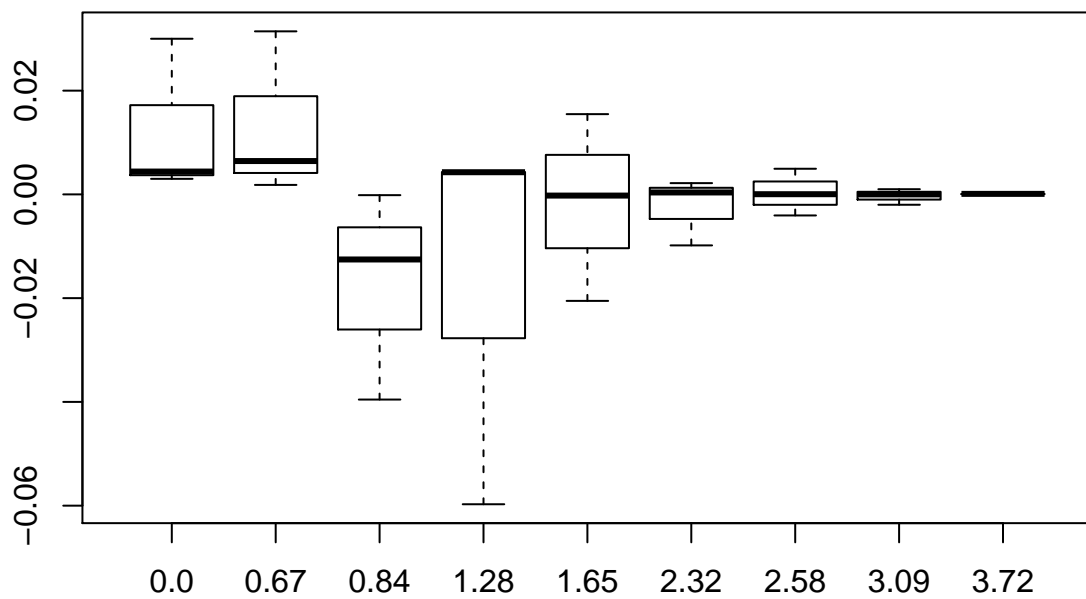
```
##      10^2 10^3 10^4      true
## 0.0 0.52 0.517 0.4960 0.5000000
## 0.67 0.78 0.763 0.7568 0.7485711
## 0.84 0.83 0.789 0.7909 0.7995458
## 1.28 0.88 0.902 0.8960 0.8997274
## 1.65 0.97 0.952 0.9525 0.9505285
## 2.32 1.00 0.991 0.9909 0.9898296
## 2.58 1.00 0.995 0.9952 0.9950600
## 3.09 1.00 1.000 0.9992 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



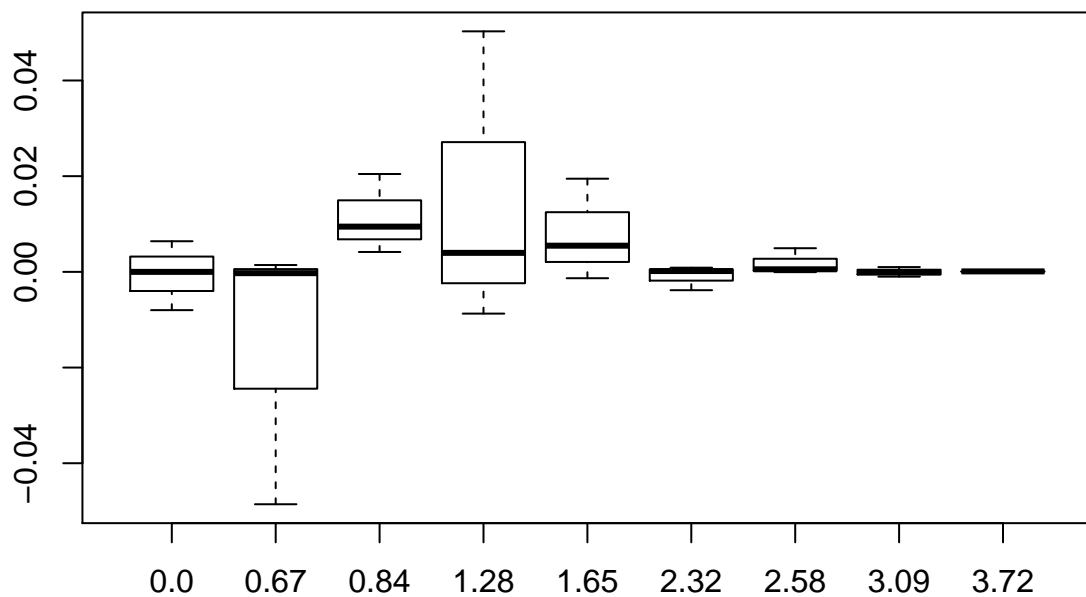
```
##      10^2 10^3 10^4      true
## 0.0  0.44 0.521 0.5020 0.5000000
## 0.67 0.80 0.752 0.7415 0.7485711
## 0.84 0.78 0.774 0.7966 0.7995458
## 1.28 0.85 0.897 0.8968 0.8997274
## 1.65 0.97 0.945 0.9500 0.9505285
## 2.32 1.00 0.988 0.9906 0.9898296
## 2.58 1.00 0.992 0.9949 0.9950600
## 3.09 1.00 1.000 0.9987 0.9989992
## 3.72 1.00 0.999 0.9999 0.9999004
```

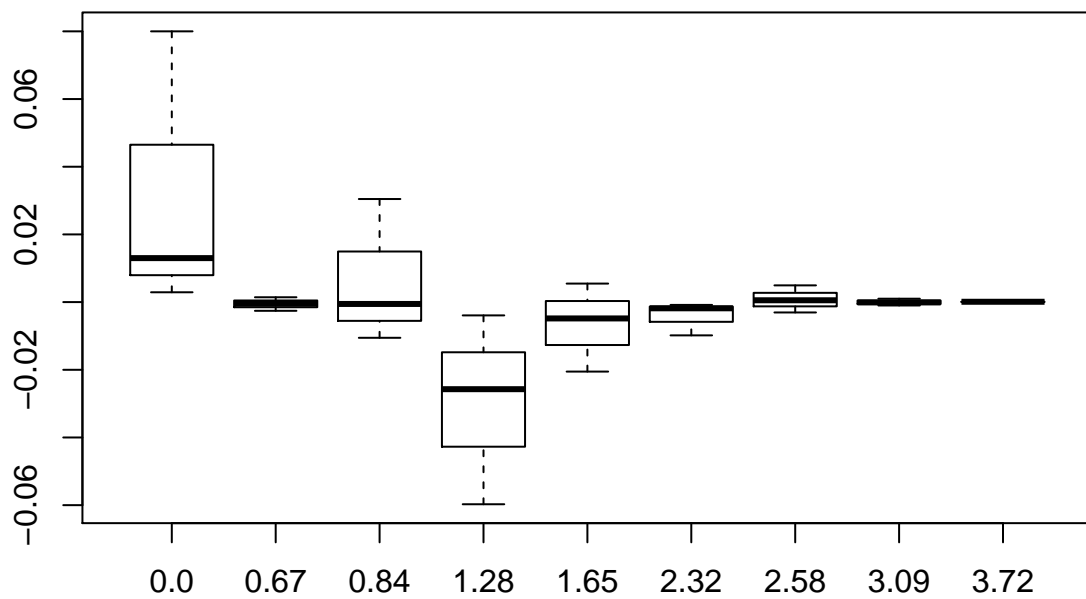
```
##      10^2 10^3 10^4      true
## 0.0 0.53 0.503 0.5044 0.5000000
## 0.67 0.78 0.755 0.7504 0.7485711
## 0.84 0.76 0.787 0.7994 0.7995458
## 1.28 0.84 0.904 0.9041 0.8997274
## 1.65 0.93 0.966 0.9503 0.9505285
## 2.32 0.98 0.992 0.9902 0.9898296
## 2.58 1.00 0.991 0.9951 0.9950600
## 3.09 1.00 0.997 0.9990 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



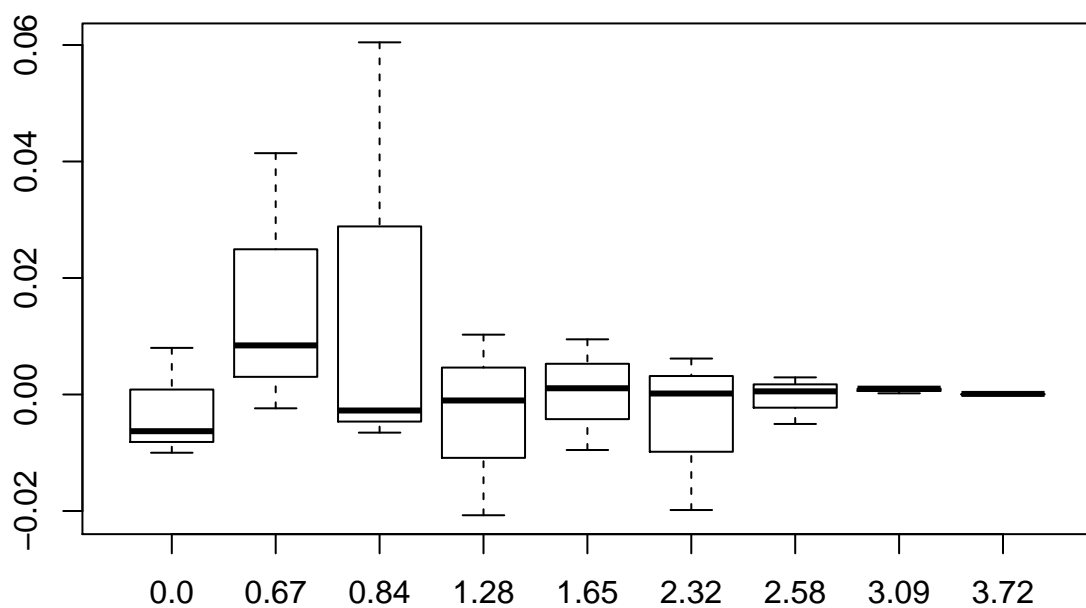
```
##      10^2 10^3  10^4      true
## 0.0  0.50 0.492 0.5064 0.5000000
## 0.67 0.70 0.750 0.7483 0.7485711
## 0.84 0.82 0.809 0.8037 0.7995458
## 1.28 0.95 0.891 0.9037 0.8997274
## 1.65 0.97 0.956 0.9492 0.9505285
## 2.32 0.99 0.986 0.9907 0.9898296
## 2.58 1.00 0.995 0.9956 0.9950600
## 3.09 1.00 0.998 0.9989 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



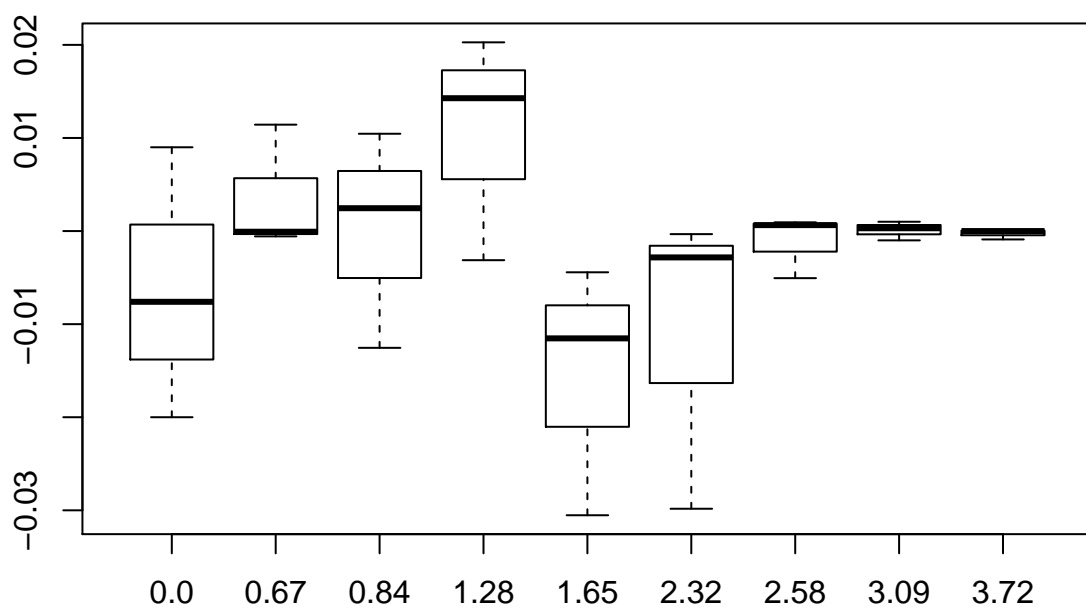
```
##      10^2 10^3 10^4      true
## 0.0  0.58 0.513 0.5029 0.5000000
## 0.67 0.75 0.746 0.7481 0.7485711
## 0.84 0.83 0.789 0.7990 0.7995458
## 1.28 0.84 0.874 0.8958 0.8997274
## 1.65 0.93 0.956 0.9457 0.9505285
## 2.32 0.98 0.988 0.9890 0.9898296
## 2.58 1.00 0.992 0.9956 0.9950600
## 3.09 1.00 0.998 0.9989 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



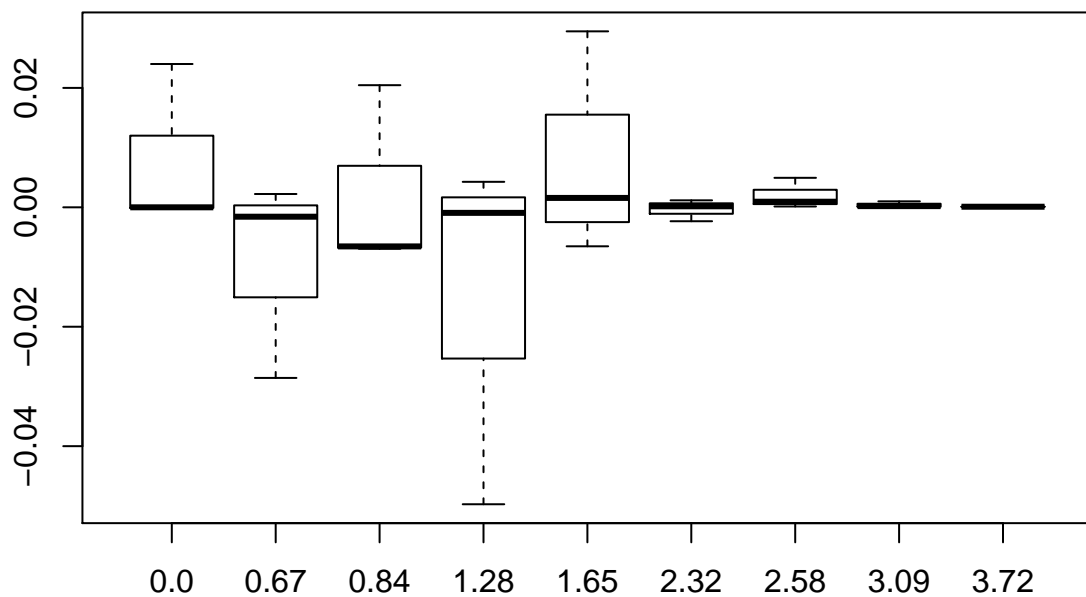
```
##      10^2 10^3 10^4      true
## 0.0  0.49 0.508 0.4937 0.5000000
## 0.67 0.79 0.757 0.7462 0.7485711
## 0.84 0.86 0.793 0.7968 0.7995458
## 1.28 0.91 0.879 0.8987 0.8997274
## 1.65 0.96 0.941 0.9516 0.9505285
## 2.32 0.97 0.996 0.9900 0.9898296
## 2.58 0.99 0.998 0.9956 0.9950600
## 3.09 1.00 1.000 0.9992 0.9989992
## 3.72 1.00 1.000 0.9998 0.9999004
```



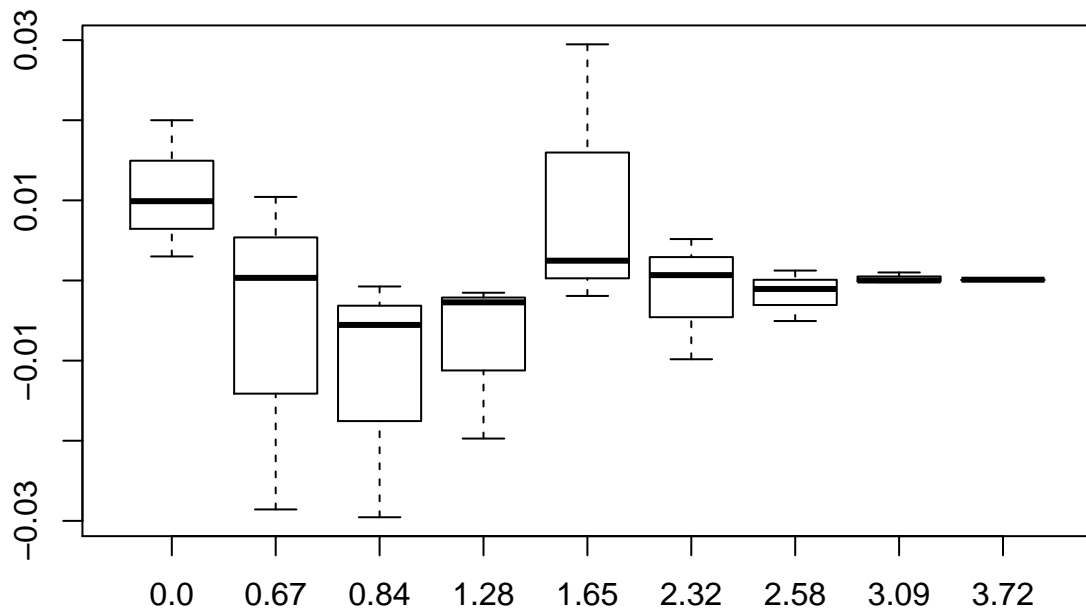
```
##      10^2  10^3  10^4      true
## 0.0  0.48 0.509 0.4924 0.5000000
## 0.67 0.76 0.748 0.7485 0.7485711
## 0.84 0.81 0.787 0.8020 0.7995458
## 1.28 0.92 0.914 0.8966 0.8997274
## 1.65 0.92 0.939 0.9461 0.9505285
## 2.32 0.96 0.987 0.9895 0.9898296
## 2.58 0.99 0.996 0.9957 0.9950600
## 3.09 1.00 0.998 0.9993 0.9989992
## 3.72 1.00 0.999 0.9999 0.9999004
```



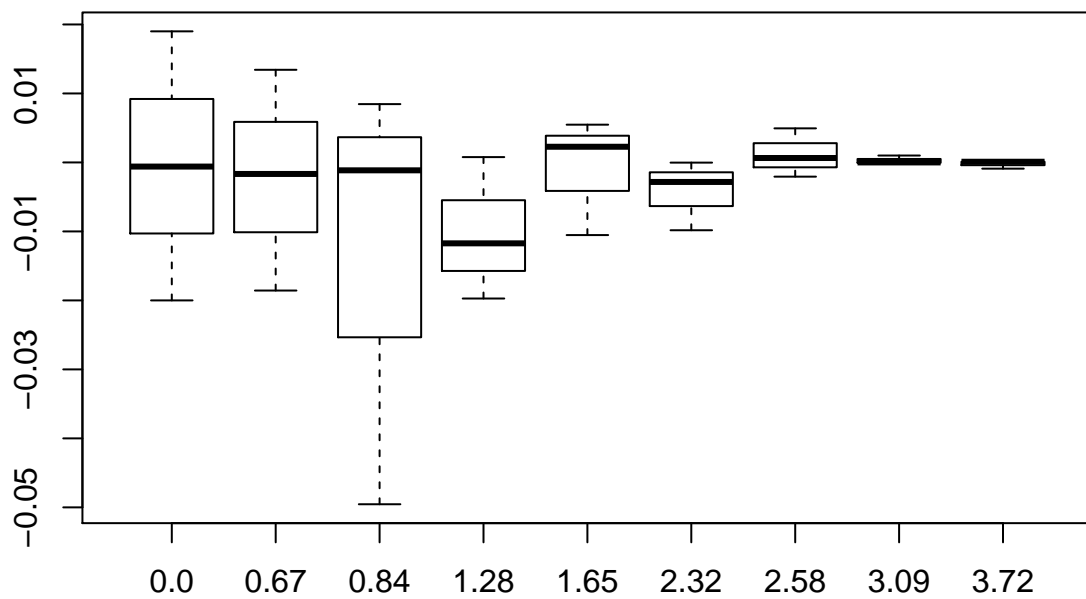
```
##      10^2 10^3 10^4      true
## 0.0 0.50 0.524 0.4998 0.5000000
## 0.67 0.72 0.747 0.7508 0.7485711
## 0.84 0.82 0.793 0.7926 0.7995458
## 1.28 0.85 0.904 0.8988 0.8997274
## 1.65 0.98 0.944 0.9521 0.9505285
## 2.32 0.99 0.991 0.9875 0.9898296
## 2.58 1.00 0.996 0.9952 0.9950600
## 3.09 1.00 0.999 0.9992 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



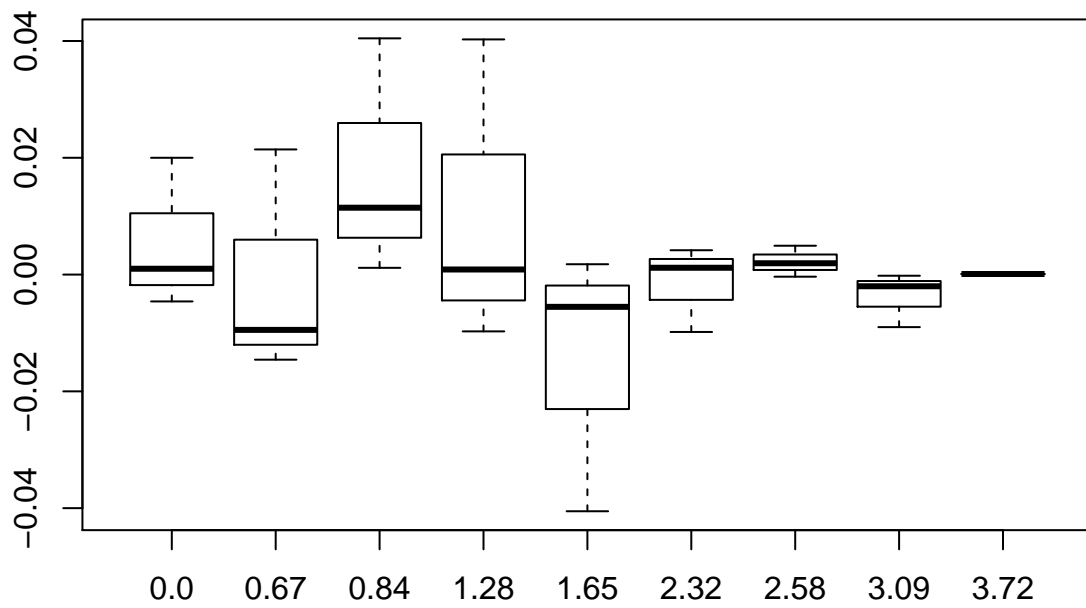
```
##      10^2 10^3 10^4      true
## 0.0  0.52 0.503 0.5099 0.5000000
## 0.67 0.72 0.759 0.7489 0.7485711
## 0.84 0.77 0.794 0.7988 0.7995458
## 1.28 0.88 0.897 0.8982 0.8997274
## 1.65 0.98 0.953 0.9486 0.9505285
## 2.32 0.98 0.995 0.9905 0.9898296
## 2.58 0.99 0.994 0.9963 0.9950600
## 3.09 1.00 0.999 0.9988 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



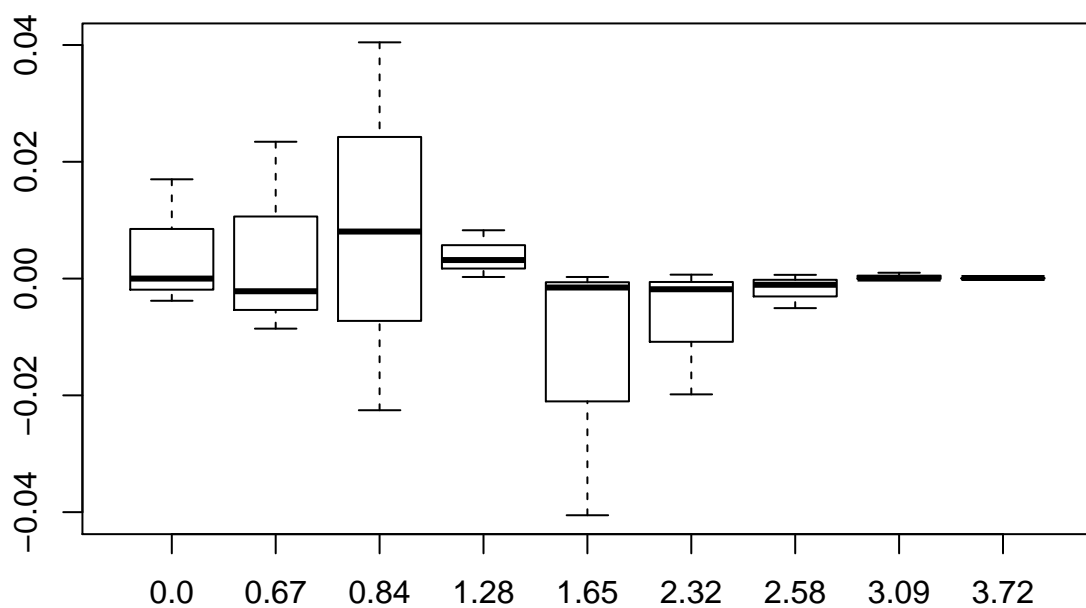
```
##      10^2 10^3  10^4    true
## 0.0  0.48 0.519 0.4994 0.5000000
## 0.67 0.73 0.762 0.7469 0.7485711
## 0.84 0.75 0.808 0.7984 0.7995458
## 1.28 0.88 0.888 0.9005 0.8997274
## 1.65 0.94 0.956 0.9528 0.9505285
## 2.32 0.98 0.987 0.9898 0.9898296
## 2.58 1.00 0.993 0.9957 0.9950600
## 3.09 1.00 0.999 0.9989 0.9989992
## 3.72 1.00 0.999 1.0000 0.9999004
```

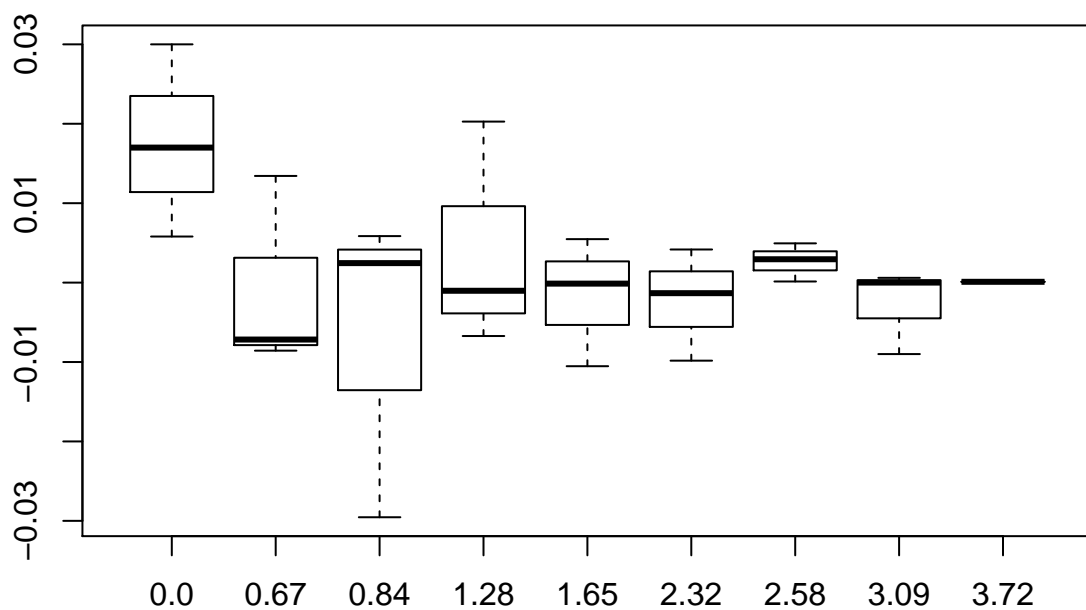
```
##      10^2 10^3 10^4      true
## 0.0 0.52 0.501 0.4954 0.5000000
## 0.67 0.77 0.734 0.7391 0.7485711
## 0.84 0.84 0.811 0.8007 0.7995458
## 1.28 0.94 0.890 0.9006 0.8997274
## 1.65 0.91 0.945 0.9523 0.9505285
## 2.32 0.98 0.994 0.9910 0.9898296
## 2.58 1.00 0.997 0.9947 0.9950600
## 3.09 0.99 0.997 0.9988 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



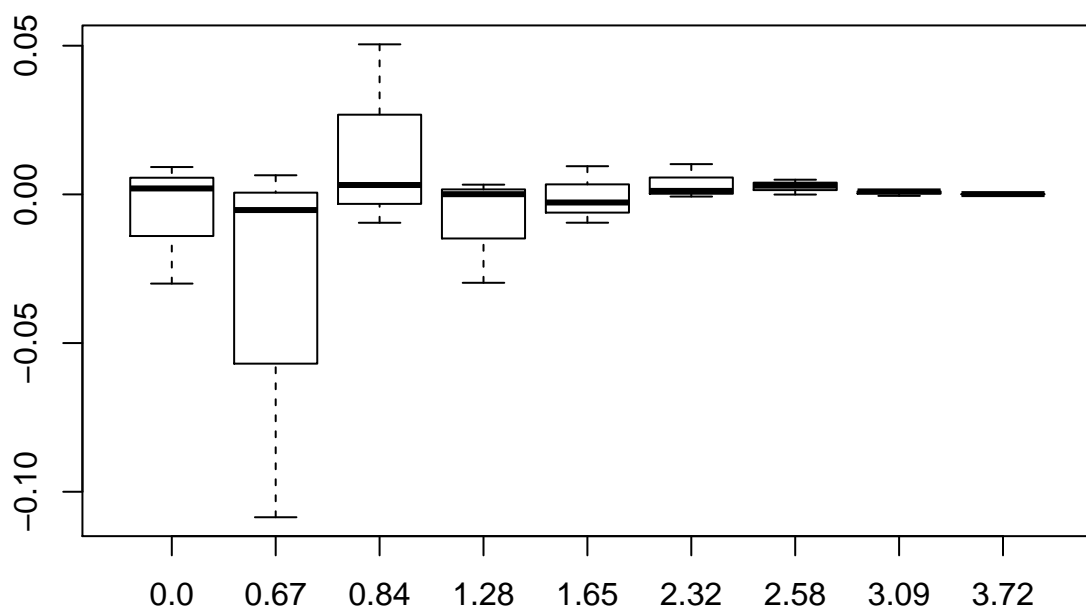
```
##      10^2  10^3   10^4    true
## 0.0  0.50 0.517 0.4962 0.5000000
## 0.67 0.74 0.772 0.7464 0.7485711
## 0.84 0.84 0.777 0.8076 0.7995458
## 1.28 0.90 0.908 0.9029 0.8997274
## 1.65 0.91 0.949 0.9508 0.9505285
## 2.32 0.97 0.988 0.9905 0.9898296
## 2.58 0.99 0.994 0.9957 0.9950600
## 3.09 1.00 0.999 0.9989 0.9989992
## 3.72 1.00 1.000 0.9998 0.9999004
```



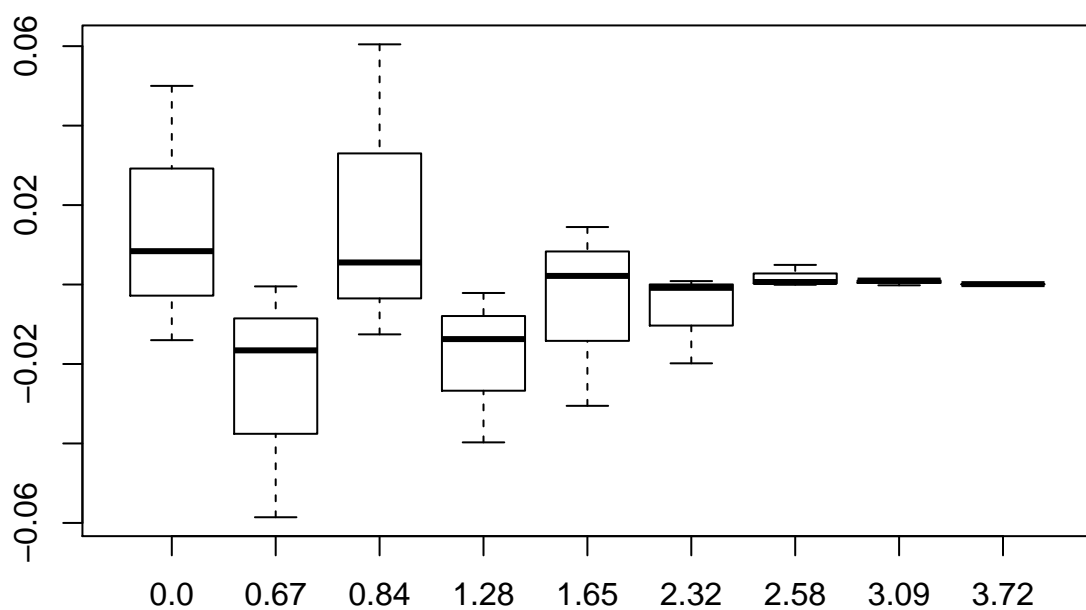
```
##      10^2 10^3 10^4      true
## 0.0 0.53 0.517 0.5058 0.5000000
## 0.67 0.74 0.762 0.7414 0.7485711
## 0.84 0.77 0.802 0.8054 0.7995458
## 1.28 0.92 0.893 0.8987 0.8997274
## 1.65 0.94 0.956 0.9504 0.9505285
## 2.32 0.98 0.994 0.9885 0.9898296
## 2.58 1.00 0.998 0.9952 0.9950600
## 3.09 0.99 0.999 0.9996 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



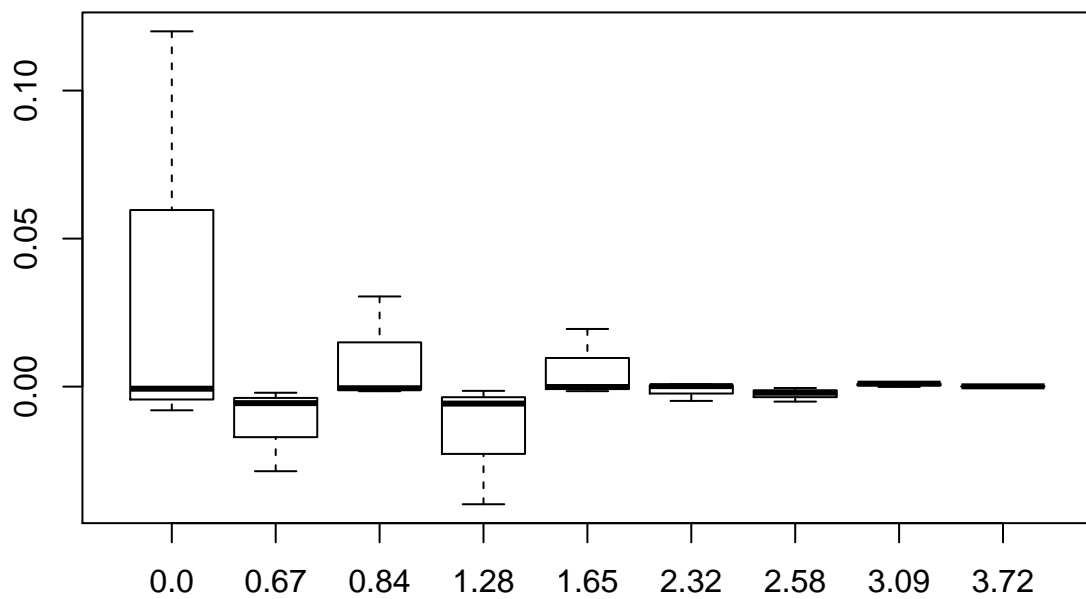
```
##      10^2  10^3  10^4      true
## 0.0  0.47 0.502 0.5092 0.5000000
## 0.67 0.64 0.755 0.7433 0.7485711
## 0.84 0.85 0.790 0.8027 0.7995458
## 1.28 0.87 0.903 0.8998 0.8997274
## 1.65 0.96 0.941 0.9478 0.9505285
## 2.32 1.00 0.991 0.9891 0.9898296
## 2.58 1.00 0.998 0.9950 0.9950600
## 3.09 1.00 1.000 0.9985 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



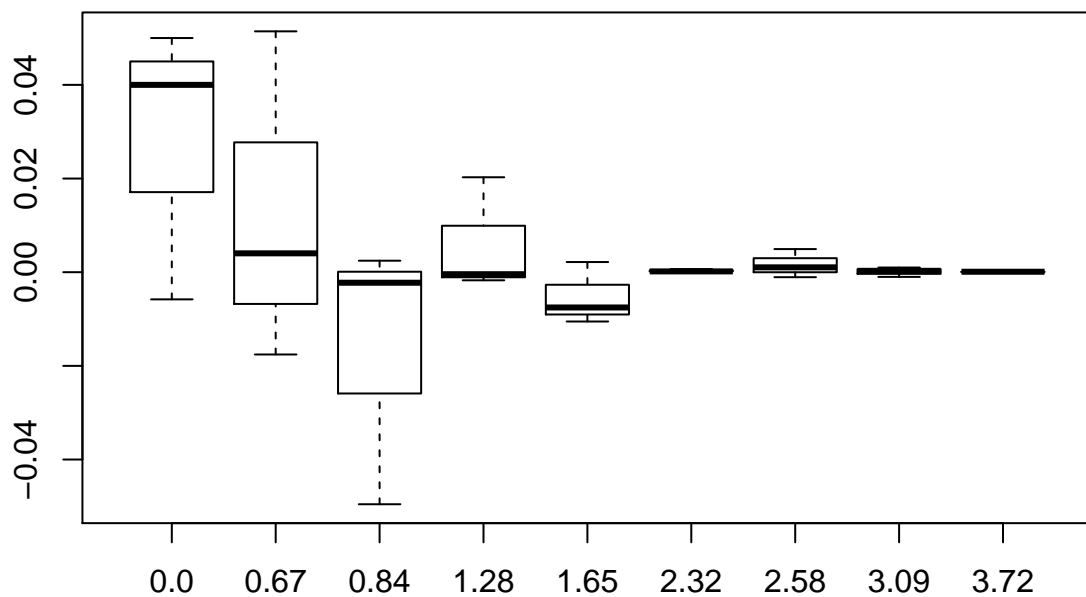
```
##      10^2 10^3 10^4      true
## 0.0 0.55 0.486 0.5084 0.5000000
## 0.67 0.69 0.732 0.7481 0.7485711
## 0.84 0.86 0.787 0.8051 0.7995458
## 1.28 0.86 0.886 0.8976 0.8997274
## 1.65 0.92 0.965 0.9527 0.9505285
## 2.32 0.97 0.989 0.9907 0.9898296
## 2.58 1.00 0.995 0.9957 0.9950600
## 3.09 1.00 1.000 0.9988 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



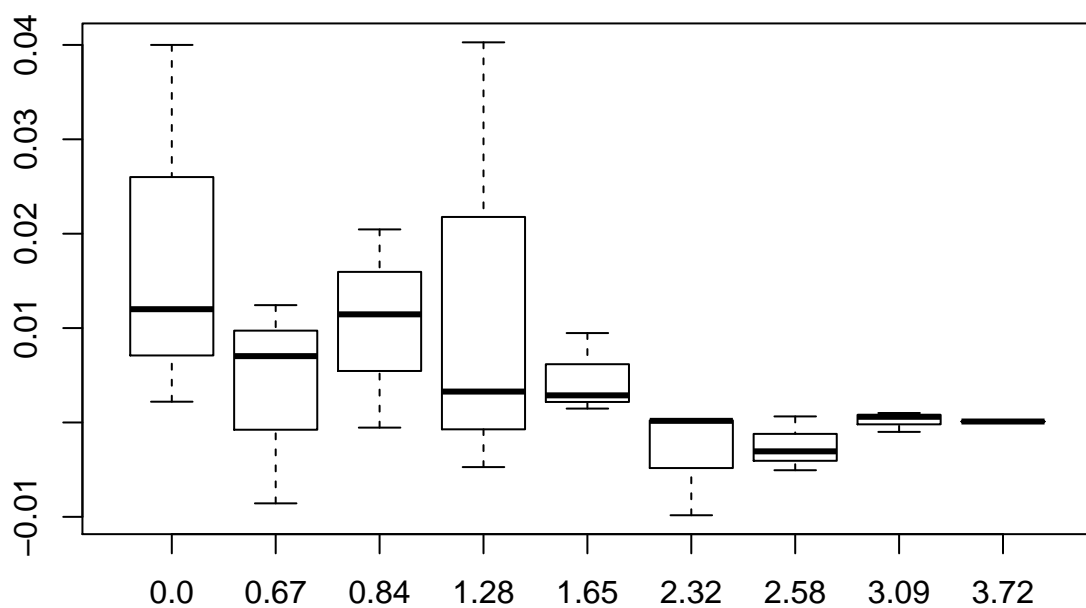
```
##      10^2 10^3  10^4    true
## 0.0  0.62 0.492 0.4993 0.5000000
## 0.67 0.72 0.743 0.7465 0.7485711
## 0.84 0.83 0.798 0.7990 0.7995458
## 1.28 0.86 0.894 0.8983 0.8997274
## 1.65 0.97 0.949 0.9504 0.9505285
## 2.32 0.99 0.985 0.9906 0.9898296
## 2.58 0.99 0.993 0.9946 0.9950600
## 3.09 1.00 1.000 0.9989 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



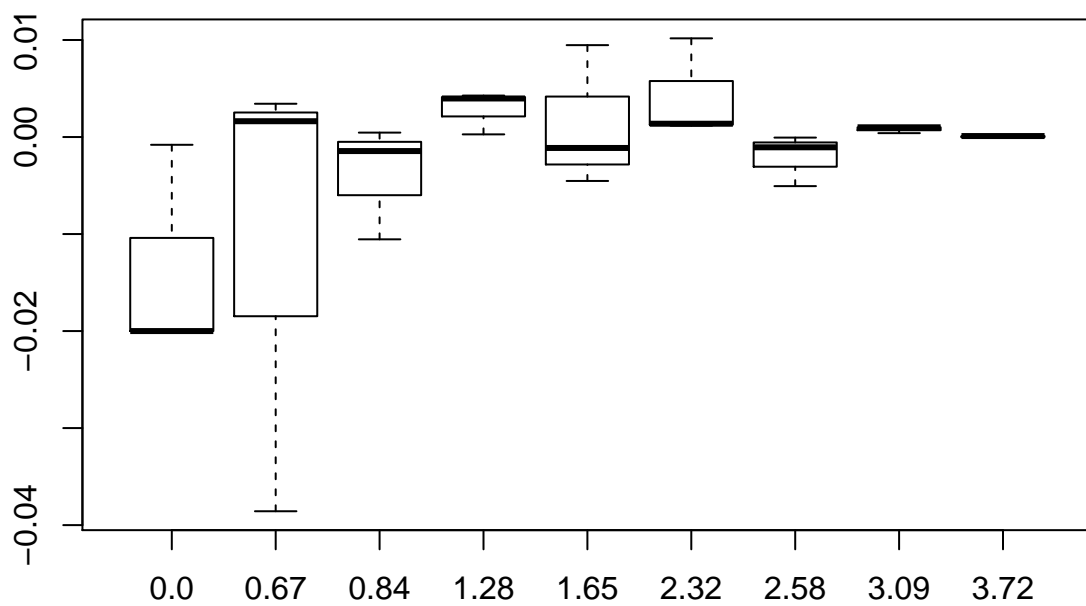
```
##      10^2 10^3  10^4      true
## 0.0  0.55 0.540 0.4942 0.5000000
## 0.67 0.80 0.731 0.7526 0.7485711
## 0.84 0.75 0.802 0.7973 0.7995458
## 1.28 0.92 0.898 0.8993 0.8997274
## 1.65 0.94 0.943 0.9527 0.9505285
## 2.32 0.99 0.990 0.9905 0.9898296
## 2.58 1.00 0.994 0.9961 0.9950600
## 3.09 1.00 0.998 0.9993 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



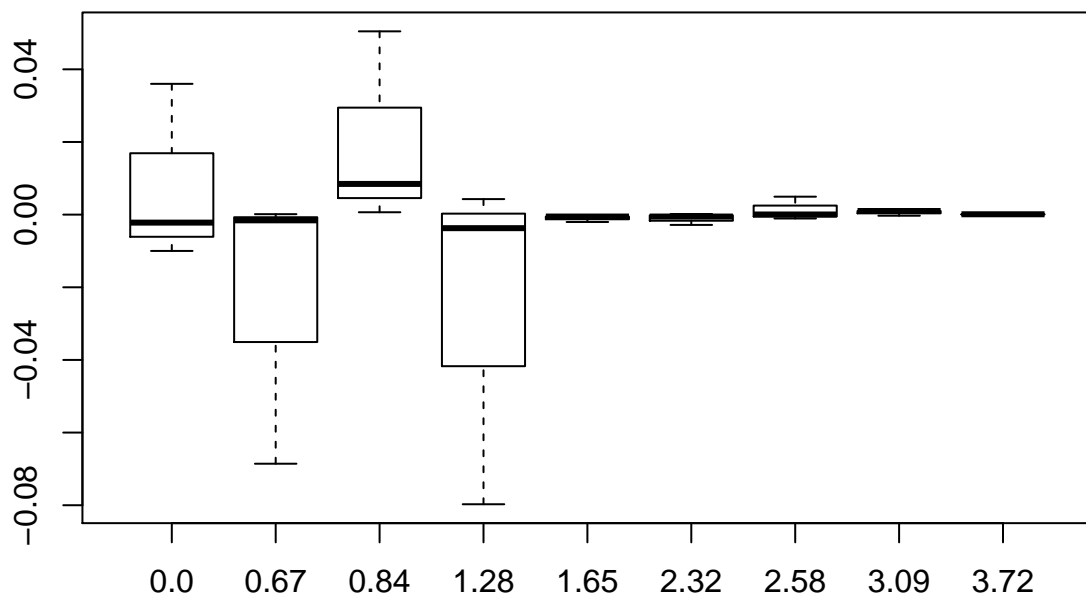
```
##      10^2  10^3   10^4    true
## 0.0  0.54 0.512 0.5022 0.5000000
## 0.67 0.74 0.761 0.7556 0.7485711
## 0.84 0.82 0.811 0.7990 0.7995458
## 1.28 0.94 0.895 0.9030 0.8997274
## 1.65 0.96 0.952 0.9534 0.9505285
## 2.32 0.98 0.990 0.9901 0.9898296
## 2.58 0.99 0.992 0.9957 0.9950600
## 3.09 1.00 0.998 0.9996 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```

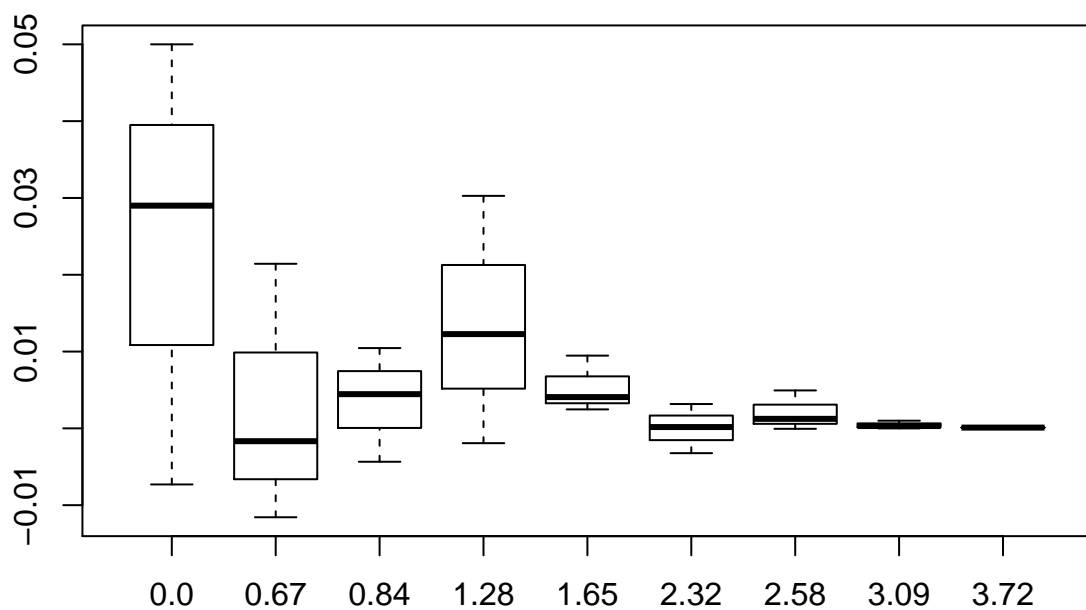
```
##      10^2 10^3 10^4      true
## 0.0 0.48 0.480 0.4992 0.5000000
## 0.67 0.71 0.752 0.7502 0.7485711
## 0.84 0.80 0.789 0.7981 0.7995458
## 1.28 0.90 0.904 0.9037 0.8997274
## 1.65 0.96 0.946 0.9494 0.9505285
## 2.32 1.00 0.991 0.9912 0.9898296
## 2.58 0.99 0.994 0.9950 0.9950600
## 3.09 1.00 1.000 0.9994 0.9989992
## 3.72 1.00 1.000 0.9998 0.9999004
```



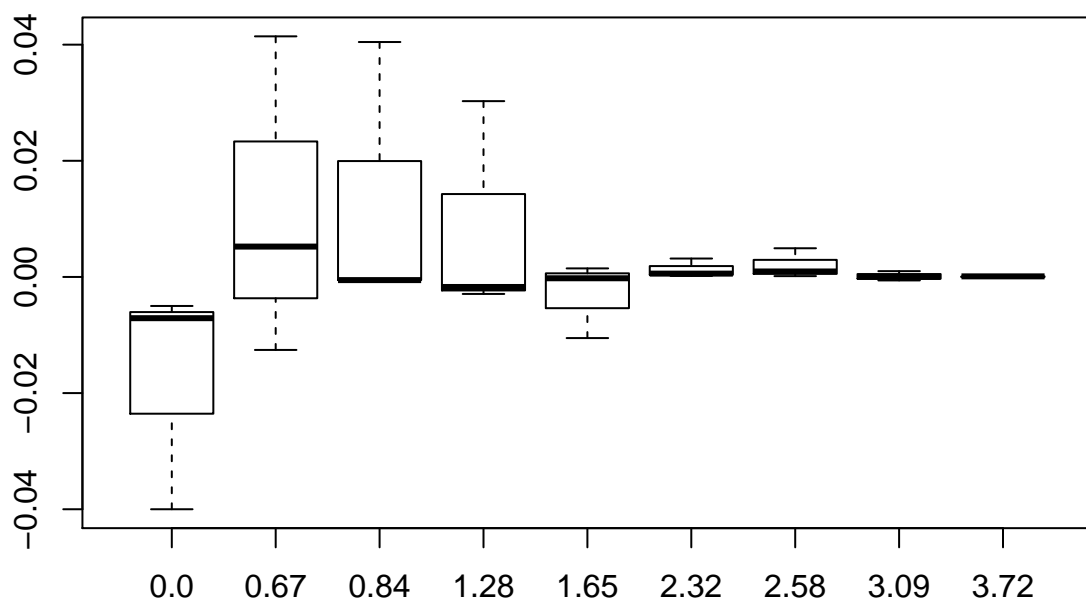
##	10^2	10^3	10^4	true
## 0.0	0.49	0.536	0.4978	0.5000000
## 0.67	0.68	0.747	0.7487	0.7485711
## 0.84	0.85	0.808	0.8002	0.7995458
## 1.28	0.82	0.896	0.9040	0.8997274
## 1.65	0.95	0.950	0.9485	0.9505285
## 2.32	0.99	0.987	0.9893	0.9898296
## 2.58	1.00	0.994	0.9951	0.9950600
## 3.09	1.00	1.000	0.9987	0.9989992
## 3.72	1.00	1.000	0.9999	0.9999004



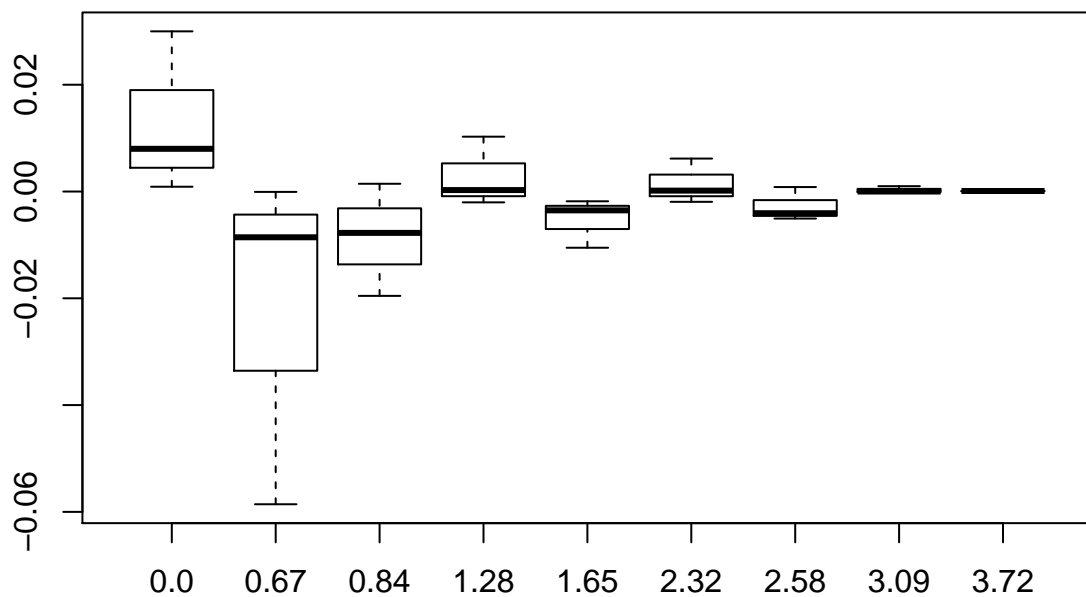
```
##      10^2 10^3 10^4      true
## 0.0 0.55 0.529 0.4927 0.5000000
## 0.67 0.77 0.737 0.7469 0.7485711
## 0.84 0.81 0.804 0.7952 0.7995458
## 1.28 0.93 0.912 0.8978 0.8997274
## 1.65 0.96 0.953 0.9546 0.9505285
## 2.32 0.99 0.993 0.9866 0.9898296
## 2.58 1.00 0.995 0.9963 0.9950600
## 3.09 1.00 0.999 0.9993 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



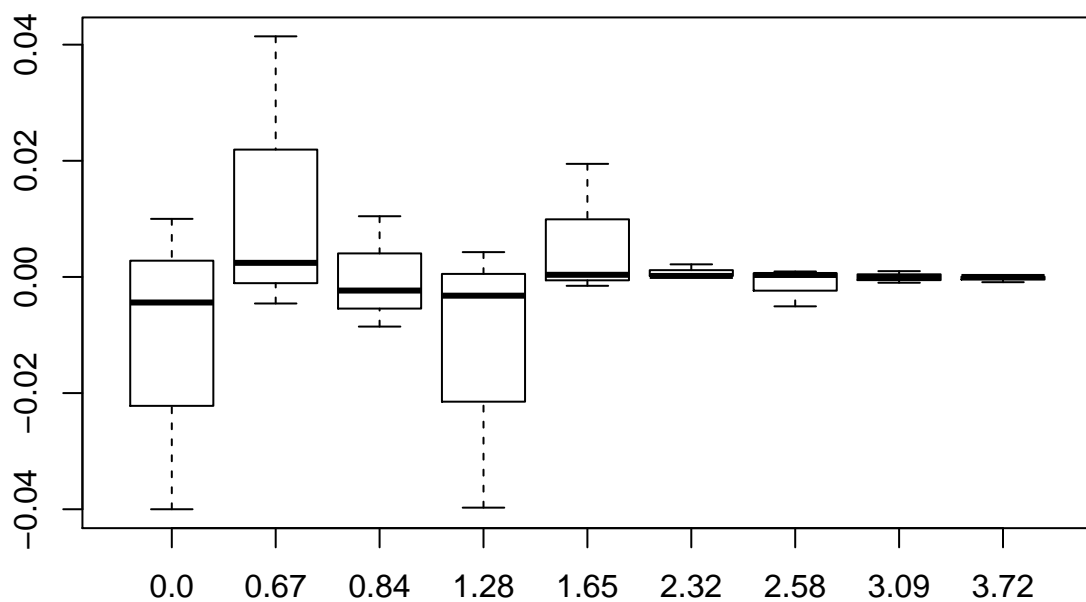
```
##      10^2 10^3 10^4      true
## 0.0 0.46 0.495 0.4929 0.5000000
## 0.67 0.79 0.736 0.7538 0.7485711
## 0.84 0.84 0.799 0.7990 0.7995458
## 1.28 0.93 0.898 0.8968 0.8997274
## 1.65 0.94 0.952 0.9503 0.9505285
## 2.32 0.99 0.993 0.9904 0.9898296
## 2.58 1.00 0.996 0.9952 0.9950600
## 3.09 1.00 0.999 0.9984 0.9989992
## 3.72 1.00 1.000 0.9998 0.9999004
```



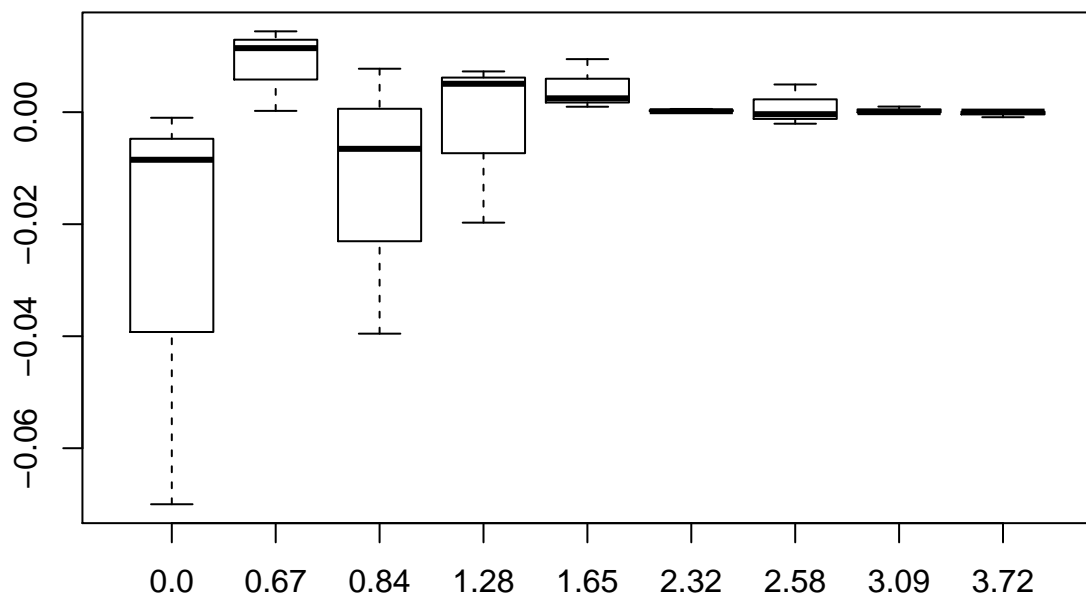
```
##      10^2  10^3   10^4    true
## 0.0  0.53 0.508 0.5009 0.5000000
## 0.67 0.69 0.740 0.7485 0.7485711
## 0.84 0.78 0.801 0.7918 0.7995458
## 1.28 0.91 0.900 0.8977 0.8997274
## 1.65 0.94 0.947 0.9487 0.9505285
## 2.32 0.99 0.996 0.9879 0.9898296
## 2.58 0.99 0.991 0.9959 0.9950600
## 3.09 1.00 0.999 0.9988 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



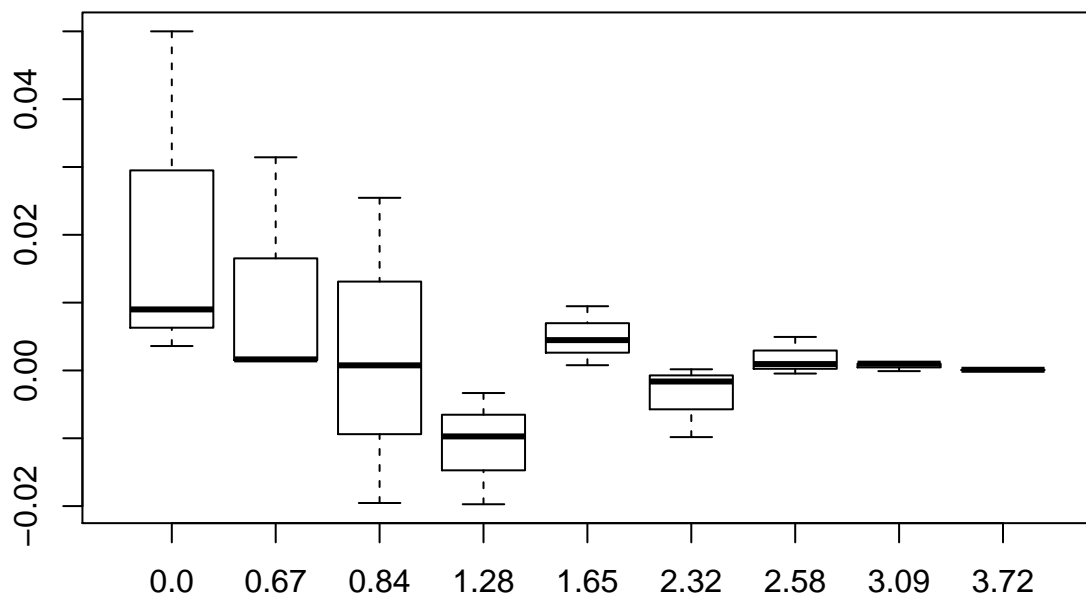
```
##      10^2 10^3 10^4      true
## 0.0  0.46 0.510 0.4956 0.5000000
## 0.67 0.79 0.751 0.7440 0.7485711
## 0.84 0.81 0.791 0.7972 0.7995458
## 1.28 0.86 0.904 0.8965 0.8997274
## 1.65 0.97 0.949 0.9509 0.9505285
## 2.32 0.99 0.992 0.9900 0.9898296
## 2.58 0.99 0.996 0.9954 0.9950600
## 3.09 1.00 0.998 0.9989 0.9989992
## 3.72 1.00 0.999 0.9999 0.9999004
```



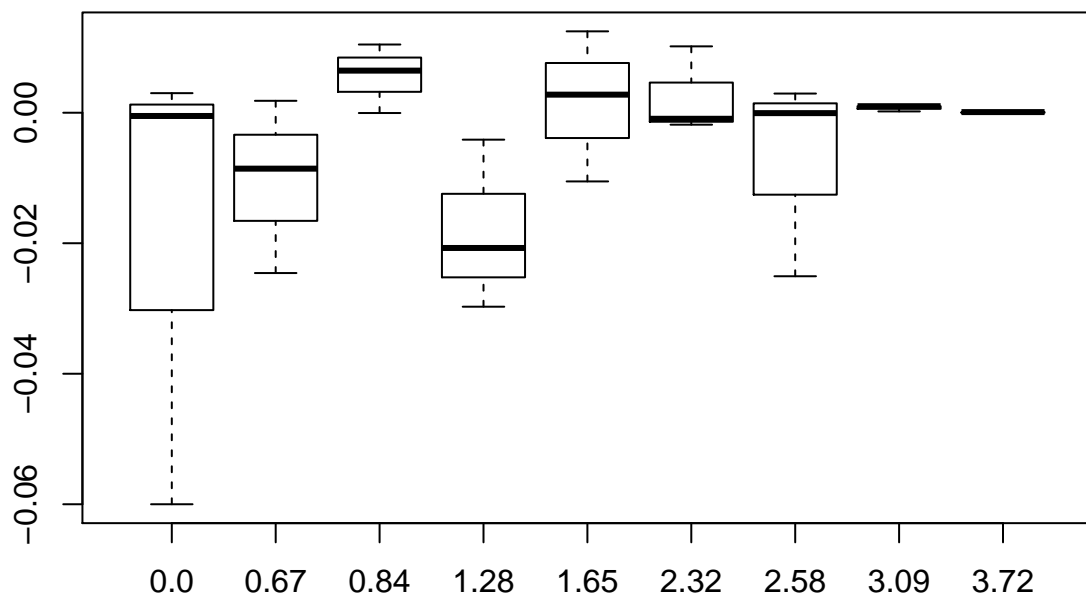
```
##      10^2 10^3  10^4      true
## 0.0  0.43 0.499 0.4915 0.5000000
## 0.67 0.76 0.763 0.7488 0.7485711
## 0.84 0.76 0.793 0.8073 0.7995458
## 1.28 0.88 0.907 0.9048 0.8997274
## 1.65 0.96 0.953 0.9515 0.9505285
## 2.32 0.99 0.990 0.9904 0.9898296
## 2.58 1.00 0.993 0.9947 0.9950600
## 3.09 1.00 0.999 0.9989 0.9989992
## 3.72 1.00 0.999 1.0000 0.9999004
```



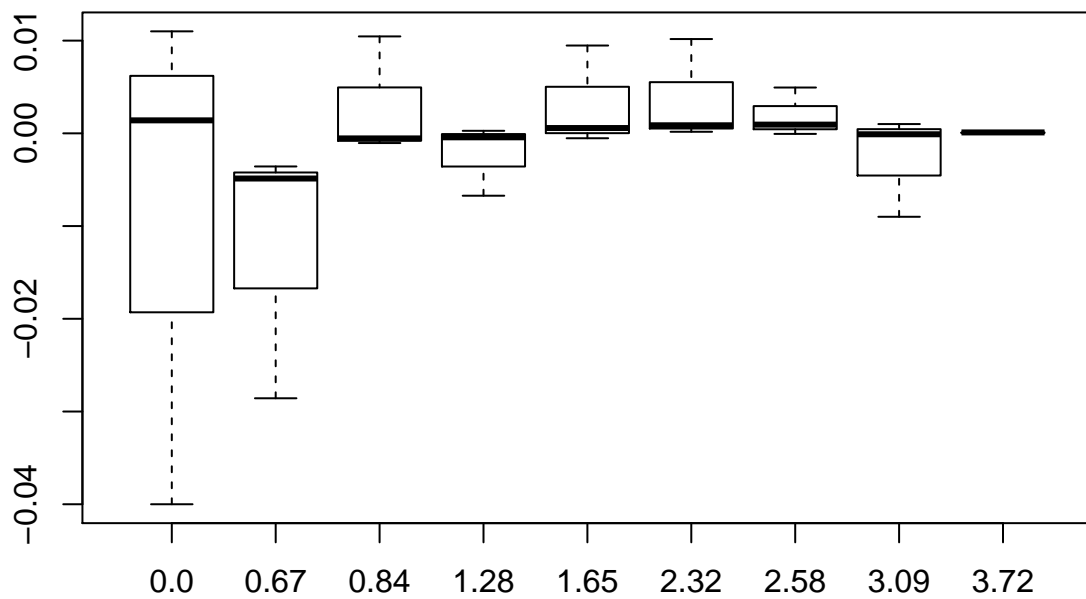
```
##      10^2 10^3  10^4      true
## 0.0  0.55 0.509 0.5036 0.5000000
## 0.67 0.78 0.750 0.7502 0.7485711
## 0.84 0.78 0.825 0.8003 0.7995458
## 1.28 0.89 0.880 0.8964 0.8997274
## 1.65 0.96 0.955 0.9513 0.9505285
## 2.32 0.98 0.990 0.9882 0.9898296
## 2.58 1.00 0.996 0.9946 0.9950600
## 3.09 1.00 1.000 0.9989 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```

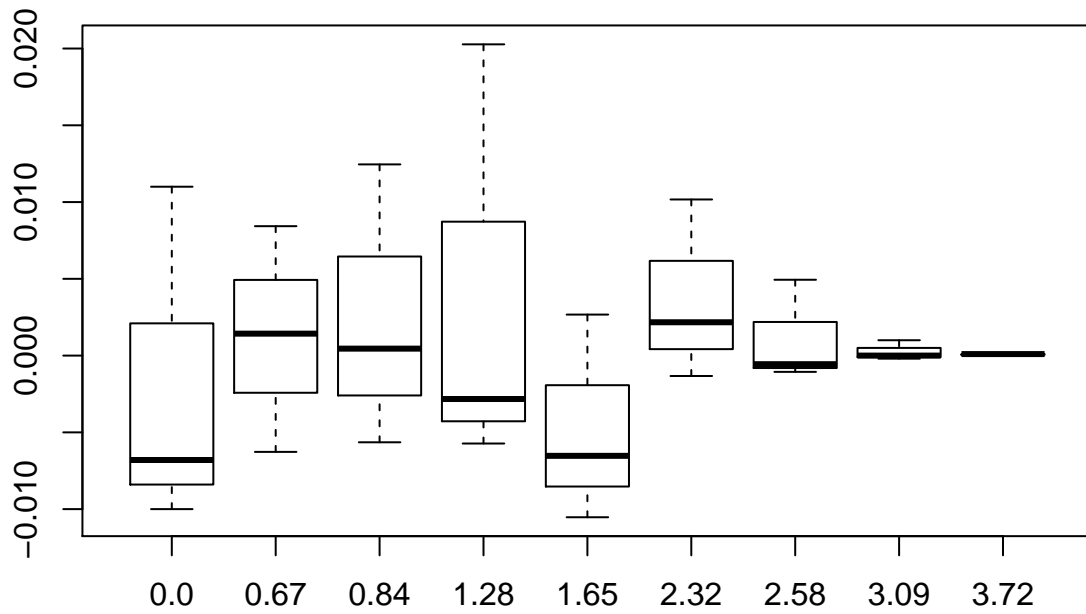
```
##      10^2 10^3 10^4      true
## 0.0  0.44 0.503 0.4995 0.5000000
## 0.67 0.74 0.724 0.7504 0.7485711
## 0.84 0.81 0.806 0.7995 0.7995458
## 1.28 0.87 0.879 0.8956 0.8997274
## 1.65 0.94 0.963 0.9533 0.9505285
## 2.32 1.00 0.988 0.9889 0.9898296
## 2.58 0.97 0.998 0.9950 0.9950600
## 3.09 1.00 1.000 0.9992 0.9989992
## 3.72 1.00 1.000 0.9998 0.9999004
```



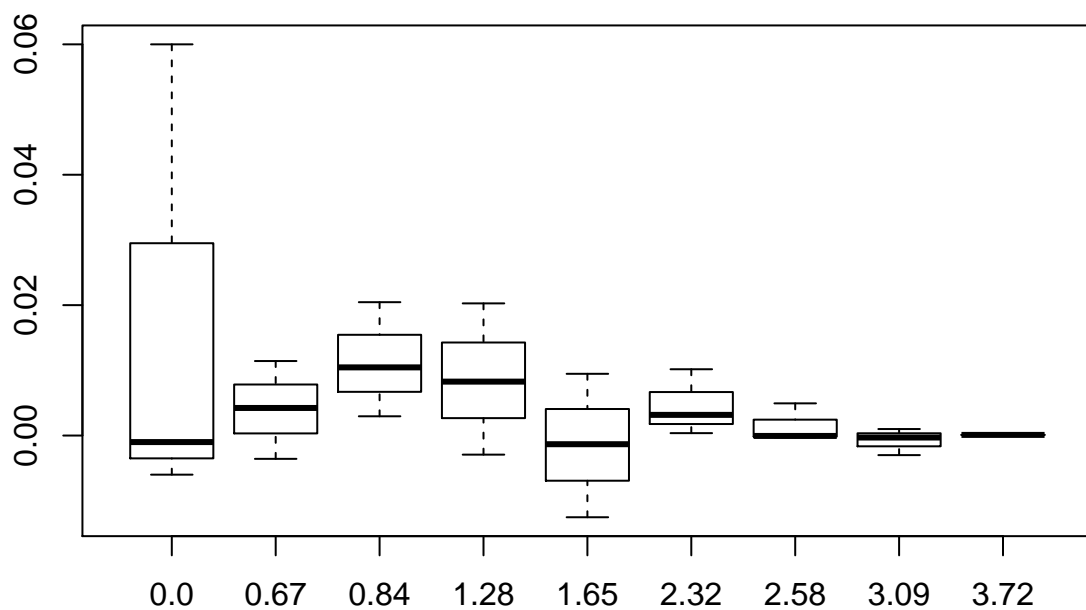
```
##      10^2 10^3 10^4      true
## 0.0  0.46 0.511 0.5014 0.5000000
## 0.67 0.72 0.745 0.7437 0.7485711
## 0.84 0.81 0.799 0.7985 0.7995458
## 1.28 0.90 0.893 0.8993 0.8997274
## 1.65 0.96 0.950 0.9511 0.9505285
## 2.32 1.00 0.990 0.9907 0.9898296
## 2.58 1.00 0.996 0.9950 0.9950600
## 3.09 0.99 1.000 0.9989 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



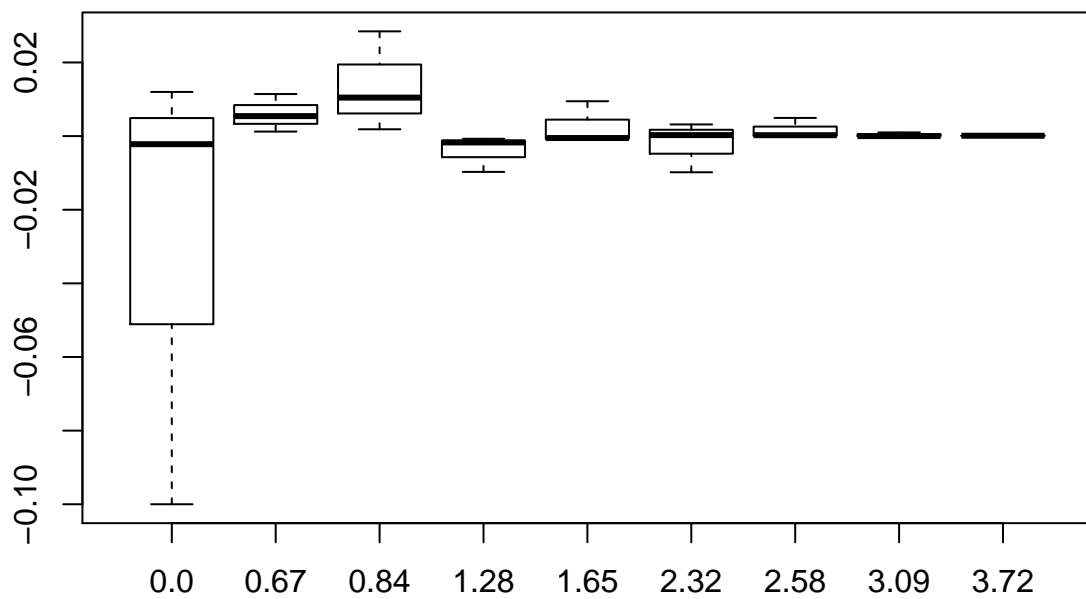
```
##      10^2 10^3 10^4      true
## 0.0  0.49 0.511 0.4932 0.5000000
## 0.67 0.75 0.757 0.7423 0.7485711
## 0.84 0.80 0.812 0.7939 0.7995458
## 1.28 0.92 0.894 0.8969 0.8997274
## 1.65 0.94 0.944 0.9532 0.9505285
## 2.32 1.00 0.992 0.9885 0.9898296
## 2.58 1.00 0.994 0.9945 0.9950600
## 3.09 1.00 0.999 0.9988 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



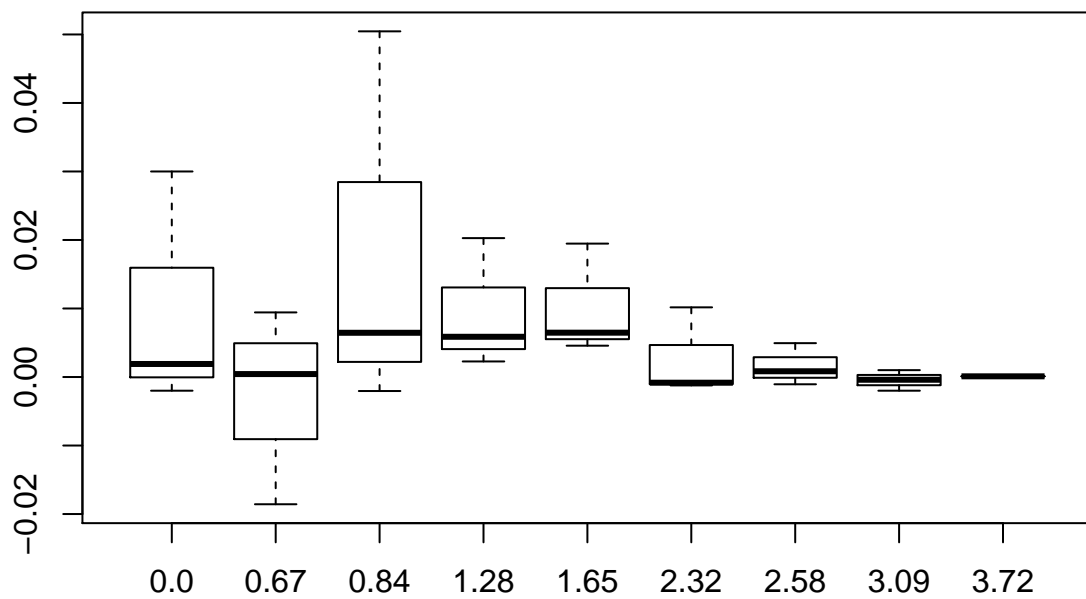
```
##      10^2 10^3  10^4    true
## 0.0  0.56 0.499 0.4940 0.5000000
## 0.67 0.76 0.745 0.7528 0.7485711
## 0.84 0.81 0.820 0.8025 0.7995458
## 1.28 0.92 0.908 0.8968 0.8997274
## 1.65 0.96 0.938 0.9492 0.9505285
## 2.32 1.00 0.993 0.9902 0.9898296
## 2.58 1.00 0.995 0.9948 0.9950600
## 3.09 1.00 0.996 0.9987 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



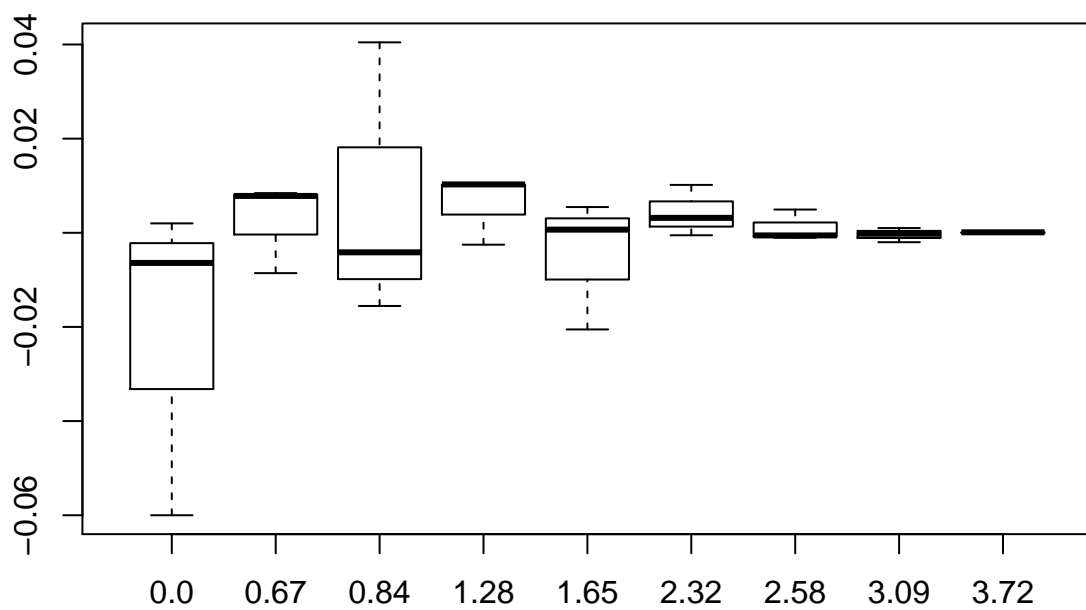
```
##      10^2  10^3   10^4    true
## 0.0  0.40 0.512 0.4978 0.5000000
## 0.67 0.76 0.754 0.7498 0.7485711
## 0.84 0.81 0.828 0.8014 0.7995458
## 1.28 0.89 0.898 0.8990 0.8997274
## 1.65 0.96 0.950 0.9497 0.9505285
## 2.32 0.98 0.993 0.9901 0.9898296
## 2.58 1.00 0.995 0.9953 0.9950600
## 3.09 1.00 0.999 0.9990 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



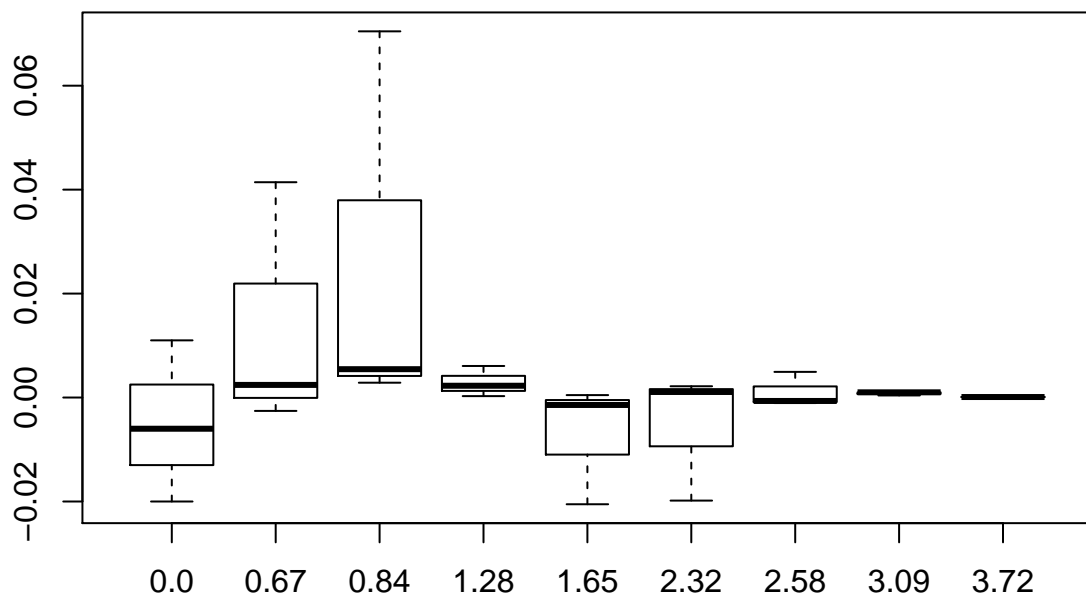
```
##      10^2 10^3 10^4      true
## 0.0 0.53 0.498 0.5019 0.5000000
## 0.67 0.73 0.749 0.7580 0.7485711
## 0.84 0.85 0.806 0.7975 0.7995458
## 1.28 0.92 0.902 0.9056 0.8997274
## 1.65 0.97 0.957 0.9551 0.9505285
## 2.32 1.00 0.989 0.9886 0.9898296
## 2.58 1.00 0.994 0.9959 0.9950600
## 3.09 1.00 0.997 0.9986 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



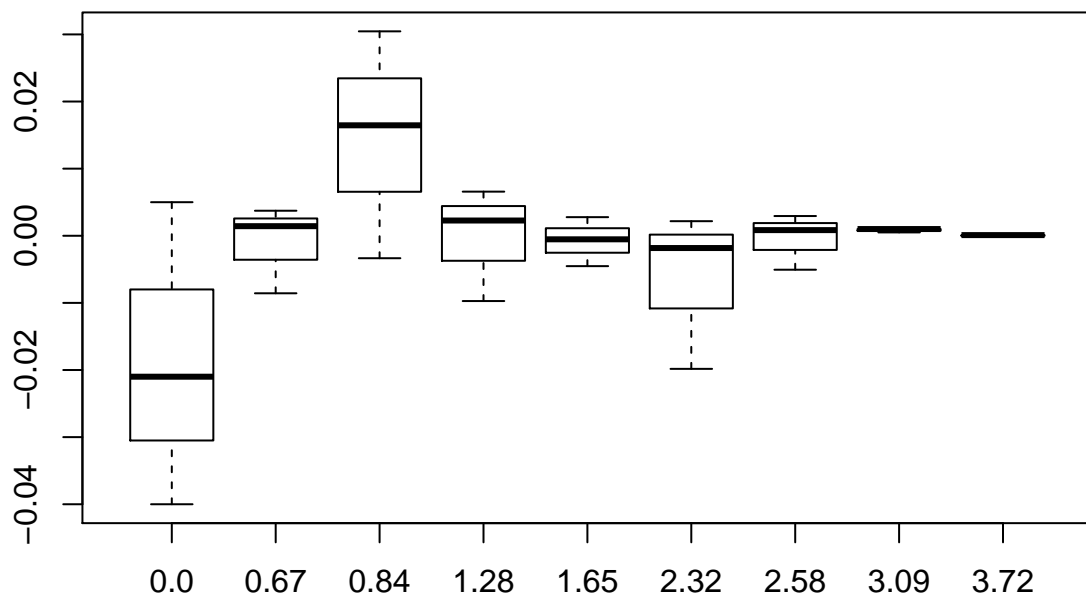
```
##      10^2 10^3 10^4      true
## 0.0  0.44 0.502 0.4936 0.5000000
## 0.67 0.74 0.757 0.7564 0.7485711
## 0.84 0.84 0.784 0.7954 0.7995458
## 1.28 0.91 0.910 0.8972 0.8997274
## 1.65 0.93 0.956 0.9512 0.9505285
## 2.32 1.00 0.993 0.9893 0.9898296
## 2.58 1.00 0.994 0.9945 0.9950600
## 3.09 1.00 0.997 0.9988 0.9989992
## 3.72 1.00 1.000 0.9998 0.9999004
```



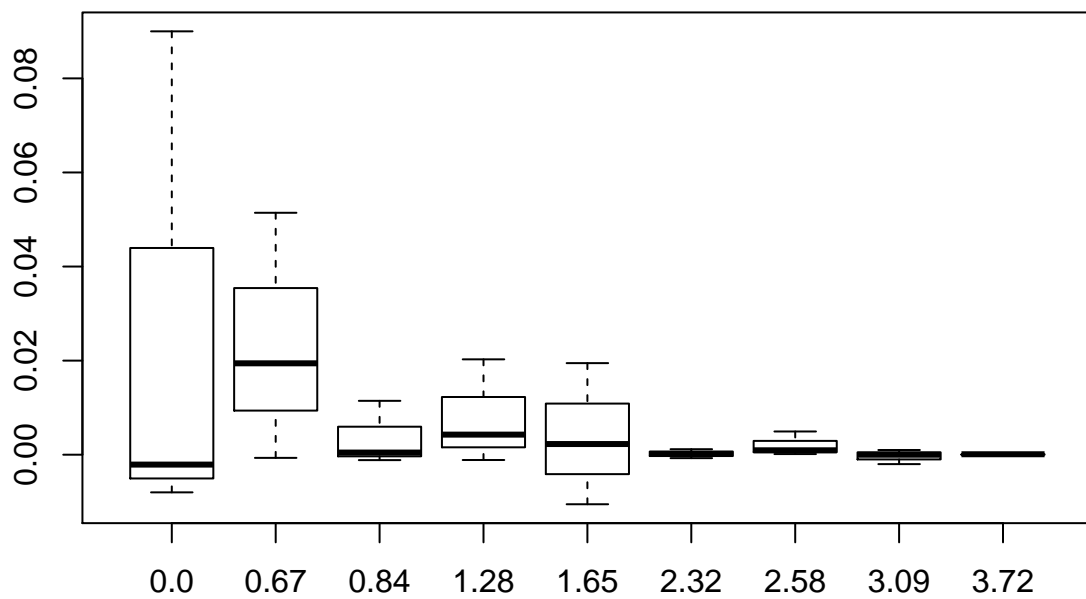
```
##      10^2 10^3 10^4      true
## 0.0  0.48 0.511 0.4940 0.5000000
## 0.67 0.79 0.751 0.7460 0.7485711
## 0.84 0.87 0.805 0.8024 0.7995458
## 1.28 0.90 0.902 0.9058 0.8997274
## 1.65 0.93 0.951 0.9491 0.9505285
## 2.32 0.97 0.992 0.9909 0.9898296
## 2.58 1.00 0.994 0.9944 0.9950600
## 3.09 1.00 1.000 0.9994 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```

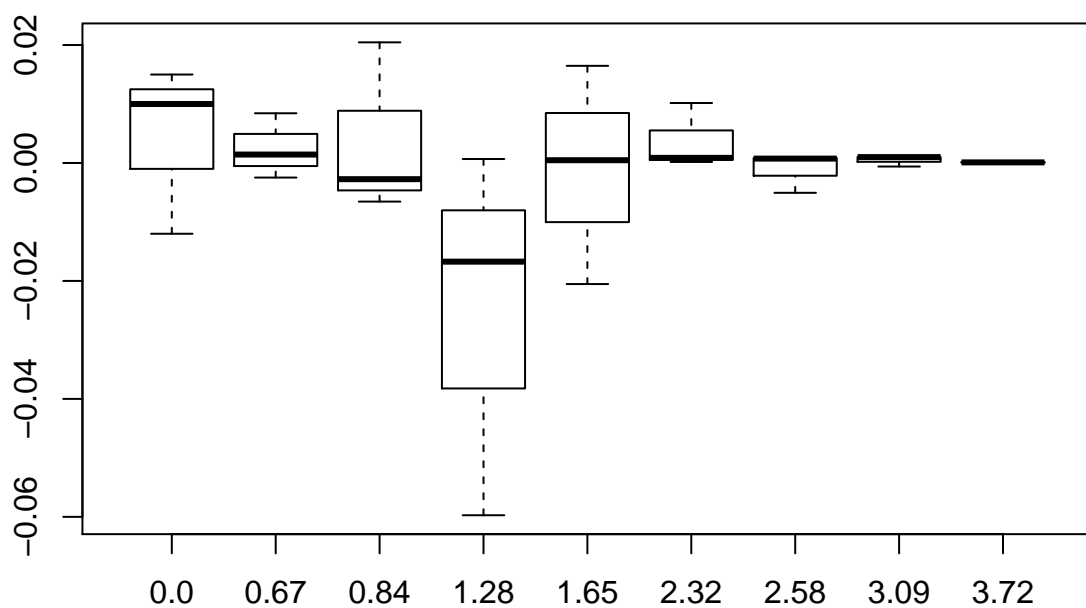
```
##      10^2  10^3  10^4      true
## 0.0  0.46 0.479 0.5050 0.5000000
## 0.67 0.74 0.750 0.7523 0.7485711
## 0.84 0.83 0.816 0.7962 0.7995458
## 1.28 0.89 0.902 0.9063 0.8997274
## 1.65 0.95 0.946 0.9533 0.9505285
## 2.32 0.97 0.992 0.9880 0.9898296
## 2.58 0.99 0.998 0.9959 0.9950600
## 3.09 1.00 1.000 0.9995 0.9989992
## 3.72 1.00 1.000 0.9998 0.9999004
```



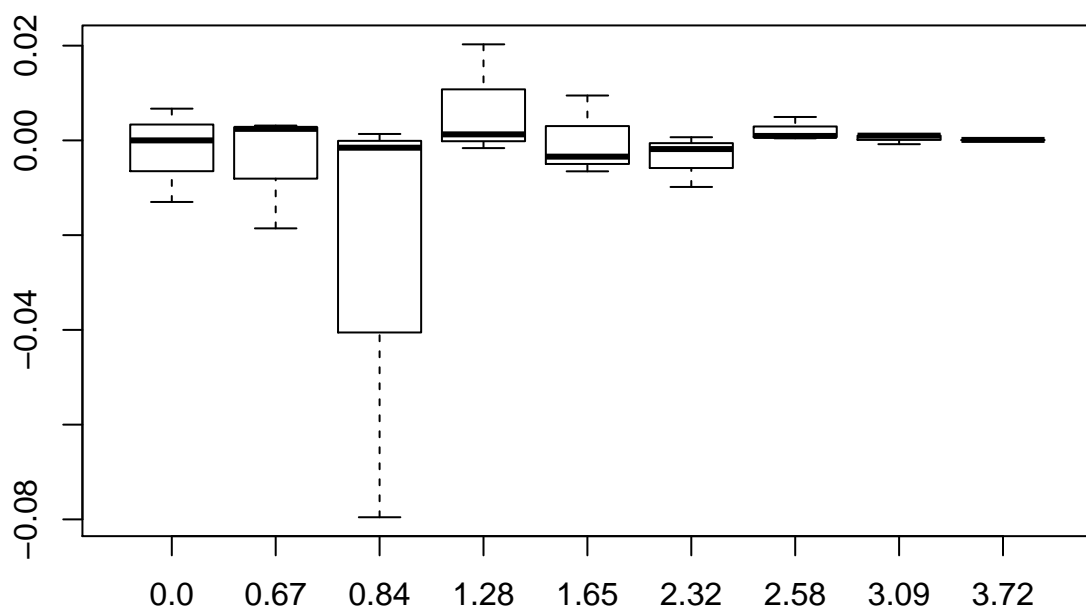
```
##      10^2  10^3   10^4    true
## 0.0  0.59 0.492 0.4979 0.5000000
## 0.67 0.80 0.768 0.7479 0.7485711
## 0.84 0.80 0.811 0.7984 0.7995458
## 1.28 0.92 0.904 0.8986 0.8997274
## 1.65 0.97 0.940 0.9528 0.9505285
## 2.32 0.99 0.991 0.9891 0.9898296
## 2.58 1.00 0.996 0.9952 0.9950600
## 3.09 1.00 0.997 0.9990 0.9989992
## 3.72 1.00 1.000 0.9998 0.9999004
```



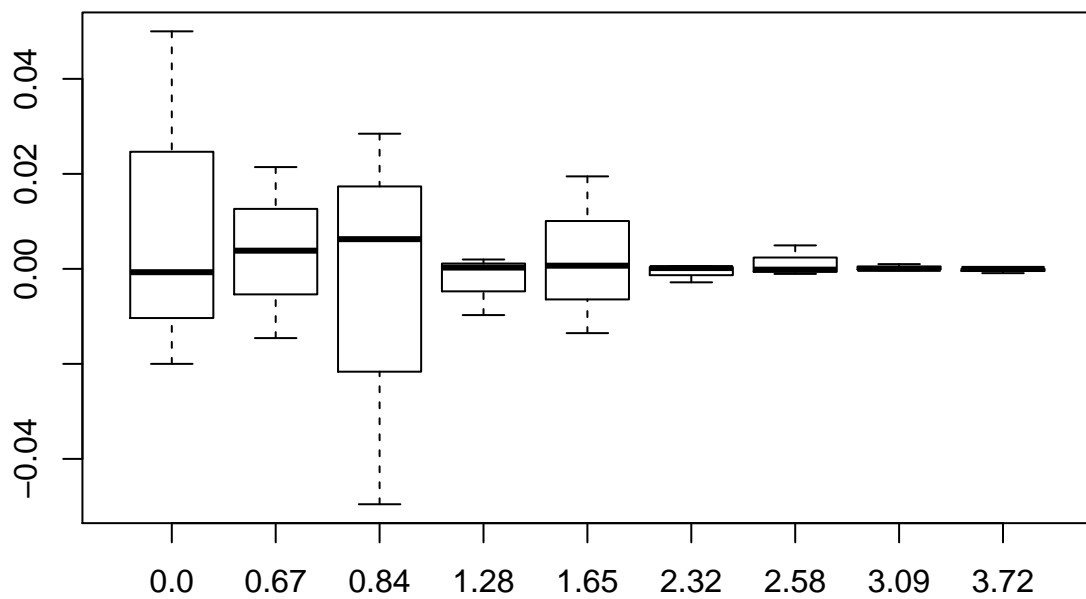
```
##      10^2 10^3 10^4      true
## 0.0 0.51 0.515 0.4880 0.5000000
## 0.67 0.75 0.757 0.7461 0.7485711
## 0.84 0.82 0.793 0.7968 0.7995458
## 1.28 0.84 0.883 0.9004 0.8997274
## 1.65 0.93 0.967 0.9510 0.9505285
## 2.32 1.00 0.990 0.9907 0.9898296
## 2.58 0.99 0.996 0.9958 0.9950600
## 3.09 1.00 1.000 0.9984 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



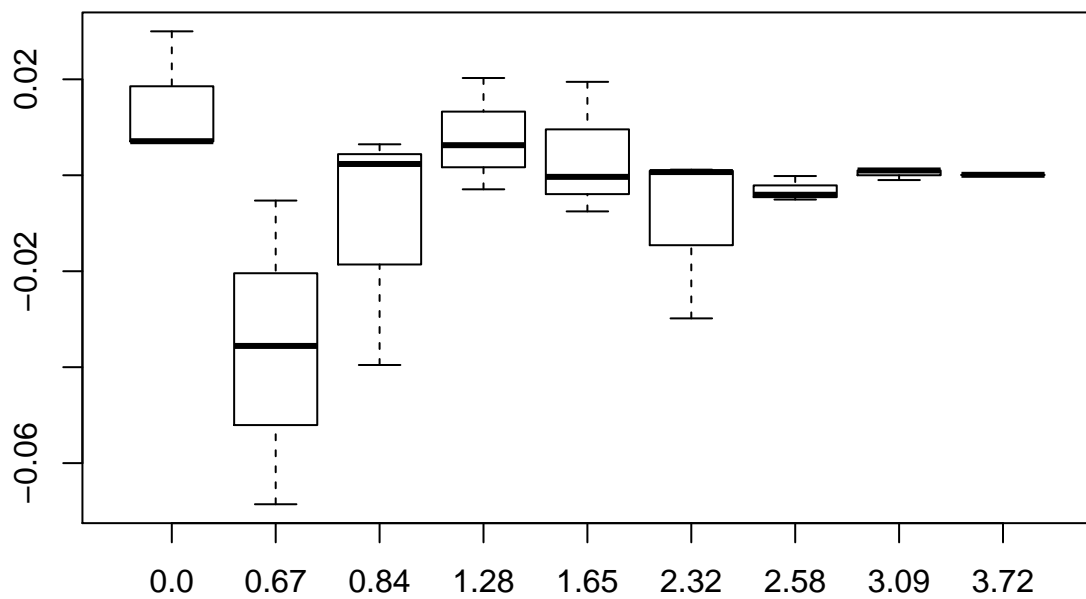
```
##      10^2 10^3 10^4      true
## 0.0  0.50 0.487 0.5067 0.5000000
## 0.67 0.73 0.751 0.7517 0.7485711
## 0.84 0.72 0.798 0.8009 0.7995458
## 1.28 0.92 0.901 0.8981 0.8997274
## 1.65 0.96 0.944 0.9471 0.9505285
## 2.32 0.98 0.988 0.9905 0.9898296
## 2.58 1.00 0.996 0.9955 0.9950600
## 3.09 1.00 1.000 0.9982 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



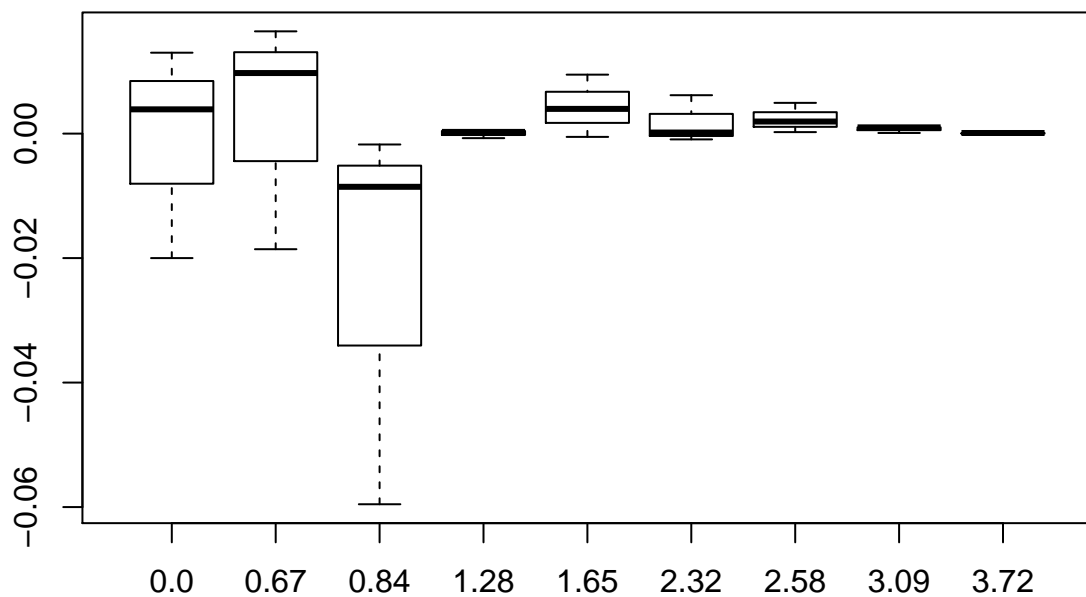
```
##      10^2 10^3 10^4      true
## 0.0 0.55 0.480 0.4993 0.5000000
## 0.67 0.77 0.734 0.7524 0.7485711
## 0.84 0.75 0.828 0.8058 0.7995458
## 1.28 0.90 0.890 0.9017 0.8997274
## 1.65 0.97 0.937 0.9512 0.9505285
## 2.32 0.99 0.987 0.9904 0.9898296
## 2.58 1.00 0.994 0.9949 0.9950600
## 3.09 1.00 0.999 0.9987 0.9989992
## 3.72 1.00 0.999 0.9999 0.9999004
```



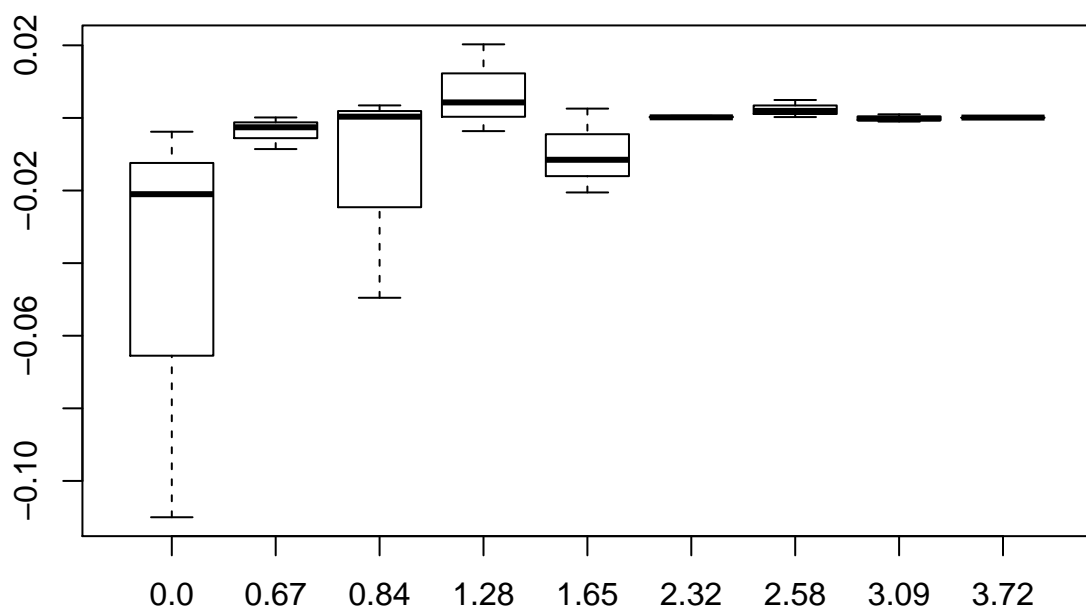
```
##      10^2 10^3  10^4      true
## 0.0  0.53 0.507 0.5071 0.5000000
## 0.67 0.68 0.713 0.7433 0.7485711
## 0.84 0.76 0.806 0.8019 0.7995458
## 1.28 0.92 0.906 0.8968 0.8997274
## 1.65 0.97 0.943 0.9502 0.9505285
## 2.32 0.96 0.991 0.9905 0.9898296
## 2.58 0.99 0.991 0.9949 0.9950600
## 3.09 1.00 1.000 0.9980 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



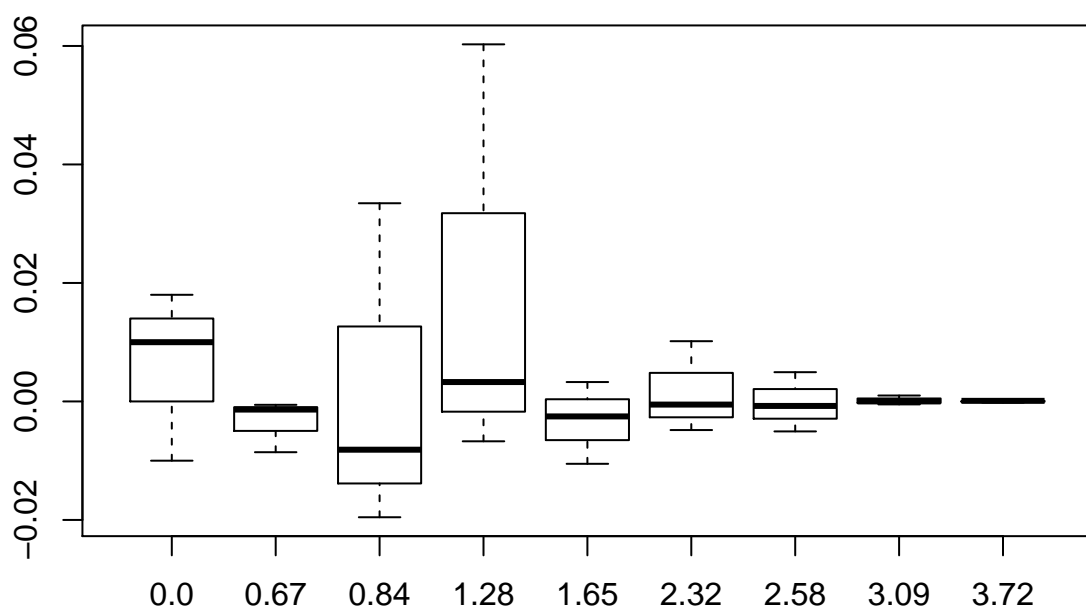
```
##      10^2  10^3  10^4      true
## 0.0  0.48 0.513 0.5039 0.5000000
## 0.67 0.73 0.765 0.7583 0.7485711
## 0.84 0.74 0.791 0.7978 0.7995458
## 1.28 0.90 0.899 0.9003 0.8997274
## 1.65 0.96 0.950 0.9545 0.9505285
## 2.32 0.99 0.996 0.9889 0.9898296
## 2.58 1.00 0.997 0.9953 0.9950600
## 3.09 1.00 1.000 0.9991 0.9989992
## 3.72 1.00 1.000 0.9998 0.9999004
```



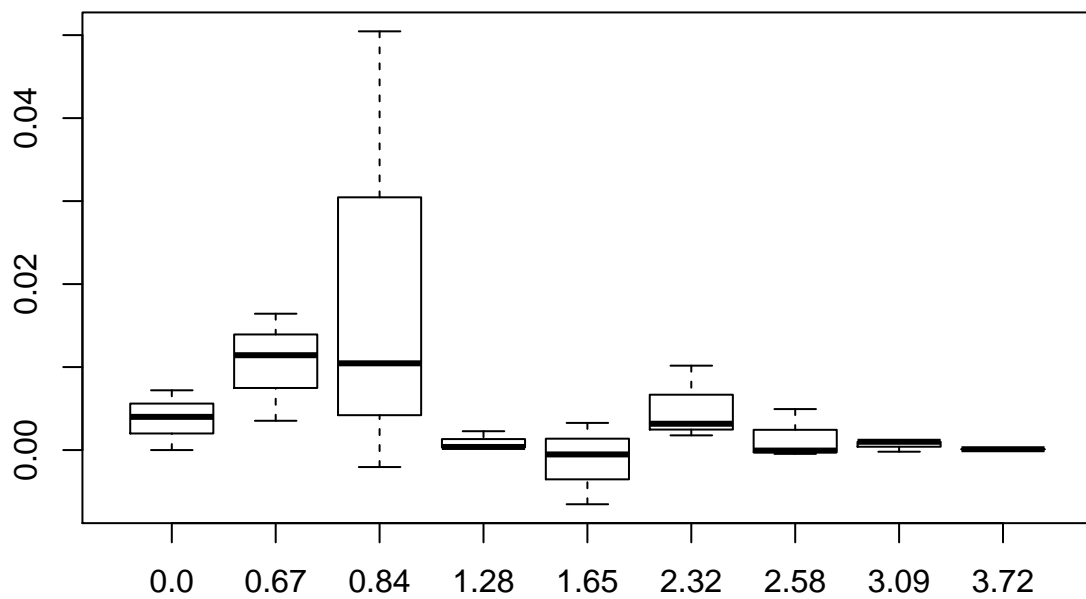
```
##      10^2 10^3 10^4      true
## 0.0  0.39 0.479 0.4962 0.5000000
## 0.67 0.74 0.746 0.7487 0.7485711
## 0.84 0.75 0.803 0.7999 0.7995458
## 1.28 0.92 0.904 0.8961 0.8997274
## 1.65 0.93 0.939 0.9531 0.9505285
## 2.32 0.99 0.990 0.9904 0.9898296
## 2.58 1.00 0.997 0.9953 0.9950600
## 3.09 1.00 0.998 0.9988 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```

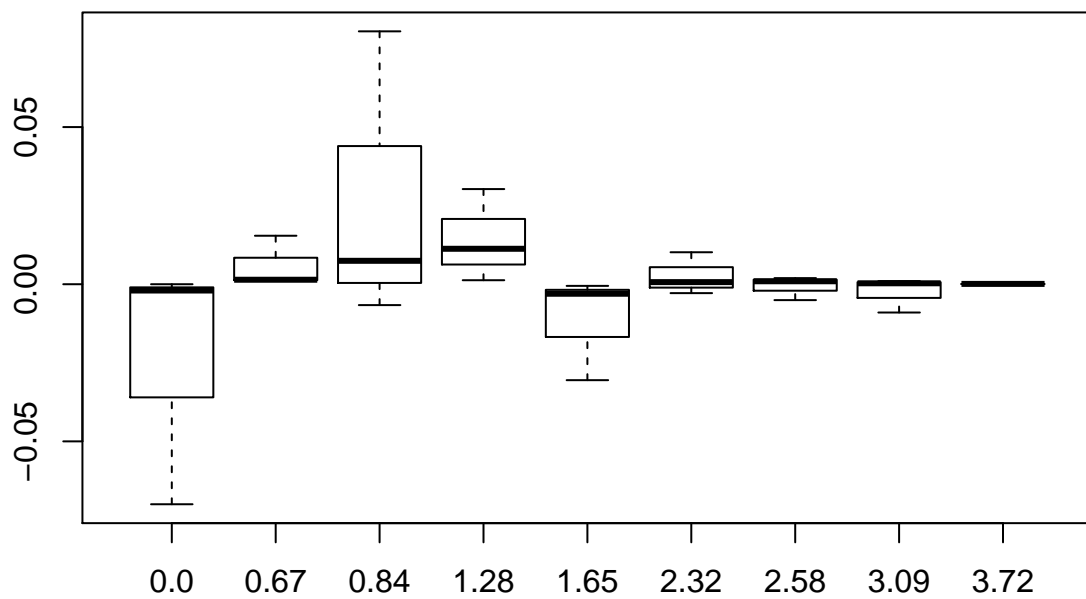
```
##      10^2 10^3 10^4      true
## 0.0 0.49 0.518 0.5100 0.5000000
## 0.67 0.74 0.748 0.7472 0.7485711
## 0.84 0.78 0.833 0.7914 0.7995458
## 1.28 0.96 0.893 0.9030 0.8997274
## 1.65 0.94 0.948 0.9538 0.9505285
## 2.32 1.00 0.985 0.9893 0.9898296
## 2.58 1.00 0.990 0.9943 0.9950600
## 3.09 1.00 0.999 0.9985 0.9989992
## 3.72 1.00 1.000 0.9997 0.9999004
```



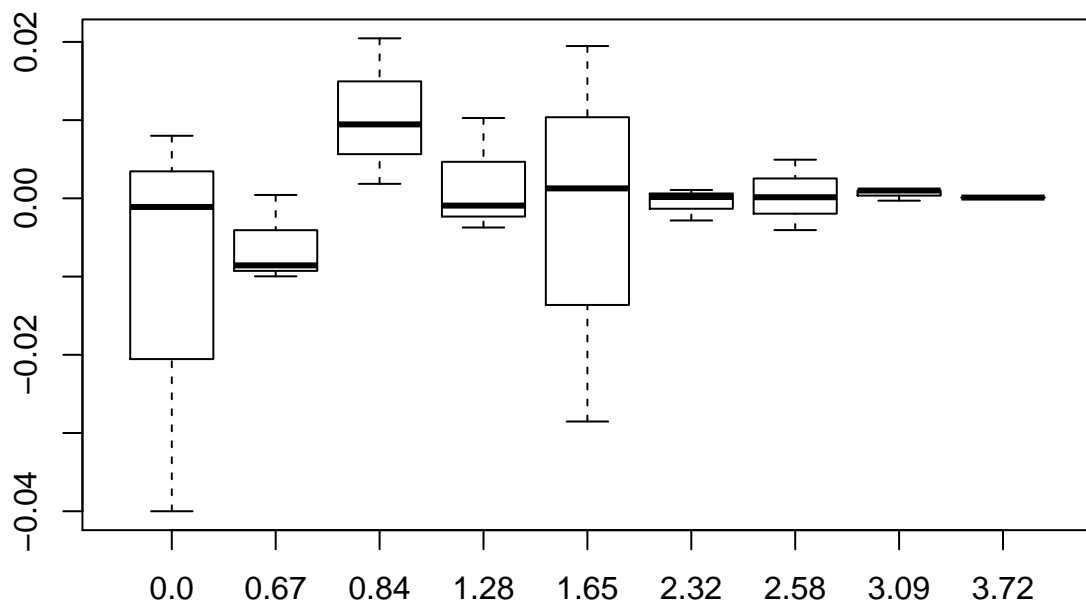
```
##      10^2 10^3  10^4      true
## 0.0  0.50 0.504 0.5072 0.5000000
## 0.67 0.76 0.765 0.7521 0.7485711
## 0.84 0.85 0.810 0.7975 0.7995458
## 1.28 0.90 0.902 0.9001 0.8997274
## 1.65 0.95 0.944 0.9538 0.9505285
## 2.32 1.00 0.993 0.9916 0.9898296
## 2.58 1.00 0.995 0.9946 0.9950600
## 3.09 1.00 1.000 0.9988 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



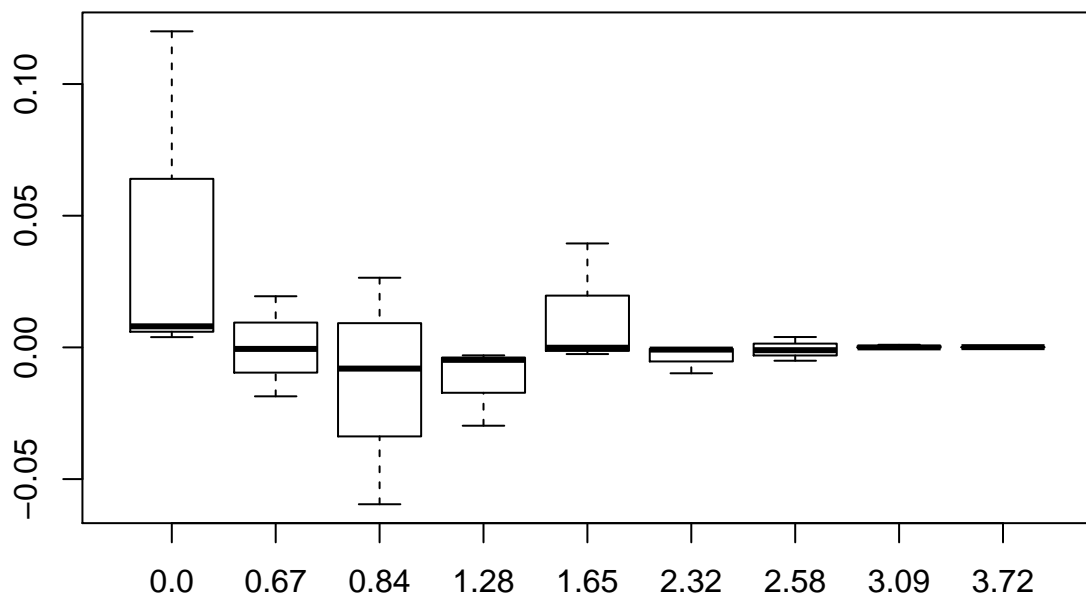
```
##      10^2 10^3 10^4      true
## 0.0  0.43 0.500 0.4980 0.5000000
## 0.67 0.75 0.764 0.7497 0.7485711
## 0.84 0.88 0.807 0.7929 0.7995458
## 1.28 0.93 0.911 0.9010 0.8997274
## 1.65 0.92 0.950 0.9475 0.9505285
## 2.32 1.00 0.987 0.9905 0.9898296
## 2.58 0.99 0.997 0.9960 0.9950600
## 3.09 0.99 1.000 0.9993 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



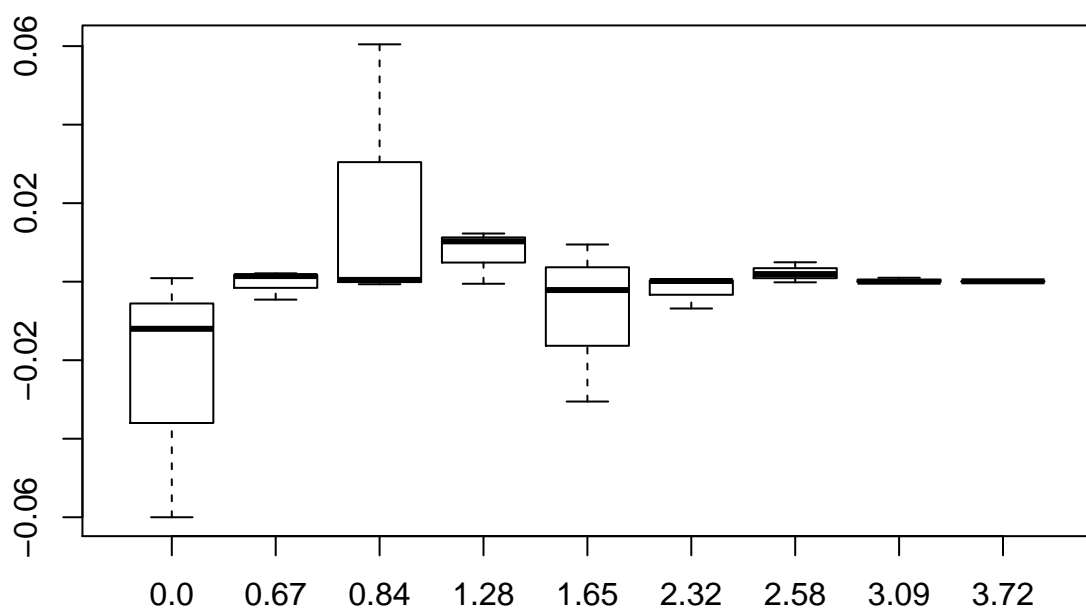
```
##      10^2 10^3 10^4      true
## 0.0  0.46 0.508 0.4989 0.5000000
## 0.67 0.74 0.749 0.7386 0.7485711
## 0.84 0.82 0.809 0.8014 0.7995458
## 1.28 0.91 0.896 0.8988 0.8997274
## 1.65 0.97 0.922 0.9518 0.9505285
## 2.32 0.99 0.987 0.9909 0.9898296
## 2.58 1.00 0.991 0.9952 0.9950600
## 3.09 1.00 1.000 0.9987 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



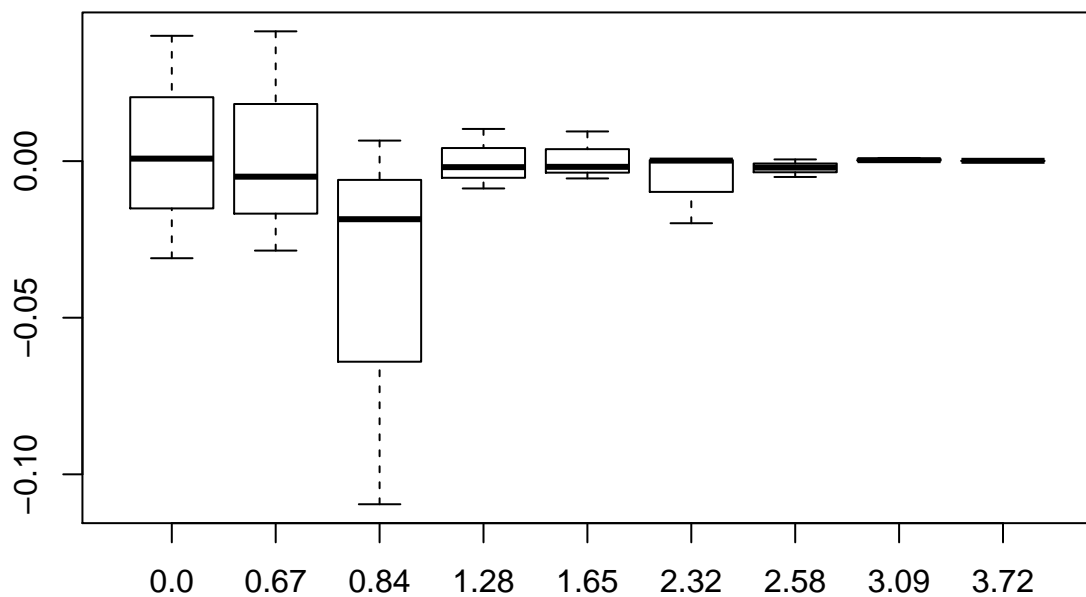
```
##      10^2 10^3 10^4      true
## 0.0  0.62 0.508 0.5039 0.5000000
## 0.67 0.73 0.768 0.7480 0.7485711
## 0.84 0.74 0.826 0.7915 0.7995458
## 1.28 0.87 0.895 0.8967 0.8997274
## 1.65 0.99 0.948 0.9504 0.9505285
## 2.32 0.98 0.989 0.9896 0.9898296
## 2.58 0.99 0.999 0.9940 0.9950600
## 3.09 1.00 0.999 0.9988 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



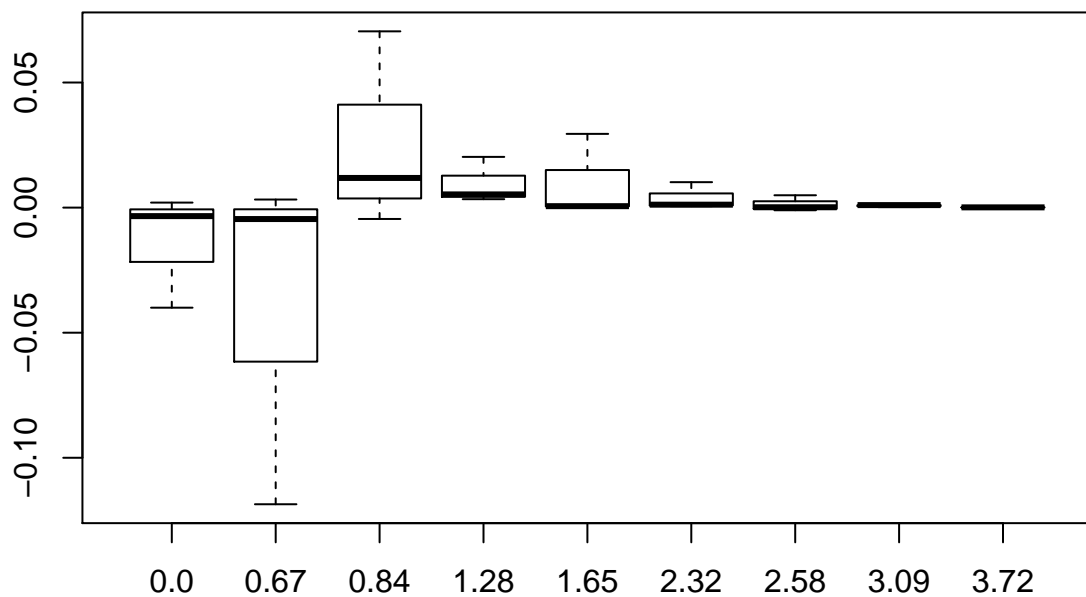
```
##      10^2 10^3 10^4      true
## 0.0  0.44 0.488 0.5009 0.5000000
## 0.67 0.75 0.744 0.7507 0.7485711
## 0.84 0.86 0.800 0.7989 0.7995458
## 1.28 0.91 0.912 0.8992 0.8997274
## 1.65 0.92 0.960 0.9484 0.9505285
## 2.32 0.99 0.983 0.9903 0.9898296
## 2.58 1.00 0.997 0.9949 0.9950600
## 3.09 1.00 0.999 0.9989 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



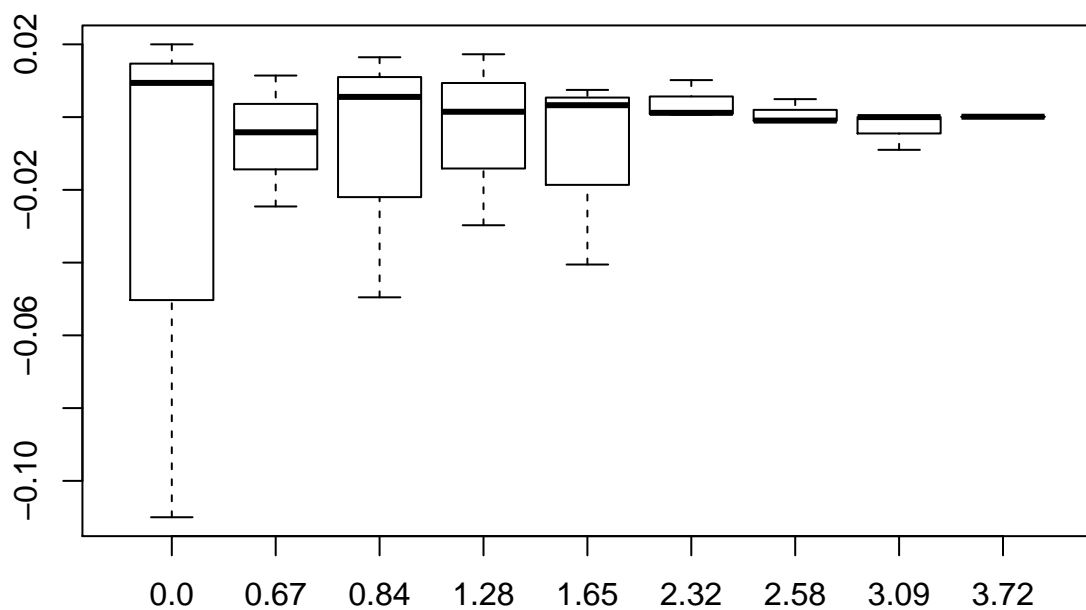
```
##      10^2 10^3  10^4    true
## 0.0  0.54 0.469 0.5008 0.5000000
## 0.67 0.79 0.720 0.7436 0.7485711
## 0.84 0.69 0.781 0.8061 0.7995458
## 1.28 0.91 0.891 0.8978 0.8997274
## 1.65 0.96 0.945 0.9487 0.9505285
## 2.32 0.97 0.990 0.9903 0.9898296
## 2.58 0.99 0.993 0.9956 0.9950600
## 3.09 1.00 0.999 0.9993 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



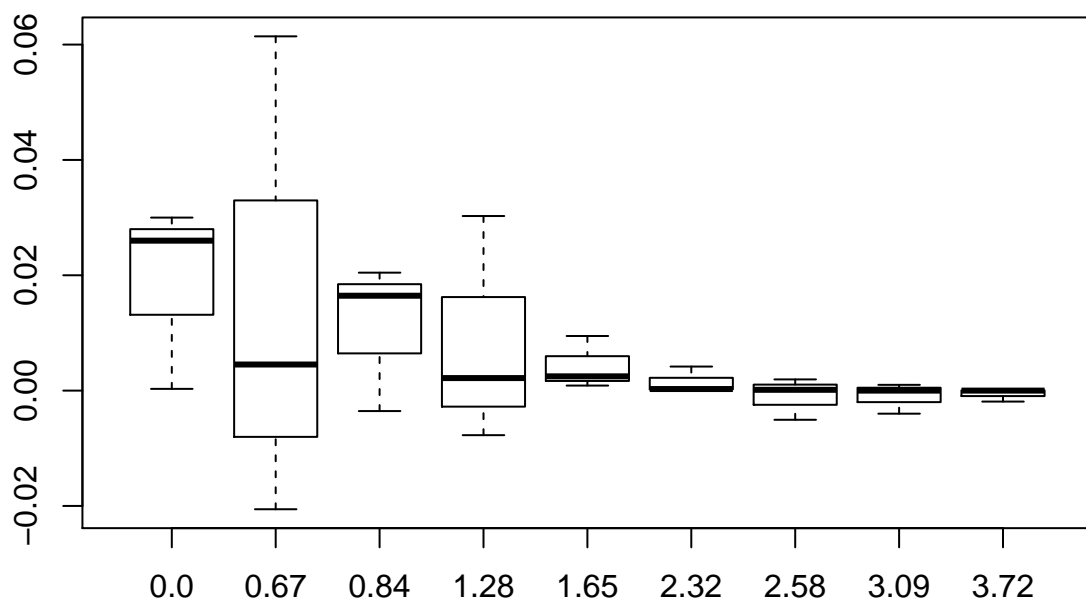
```
##      10^2  10^3   10^4    true
## 0.0  0.46 0.502 0.4966 0.5000000
## 0.67 0.63 0.744 0.7518 0.7485711
## 0.84 0.87 0.795 0.8114 0.7995458
## 1.28 0.92 0.905 0.9031 0.8997274
## 1.65 0.98 0.951 0.9511 0.9505285
## 2.32 1.00 0.991 0.9904 0.9898296
## 2.58 1.00 0.994 0.9952 0.9950600
## 3.09 1.00 1.000 0.9992 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```

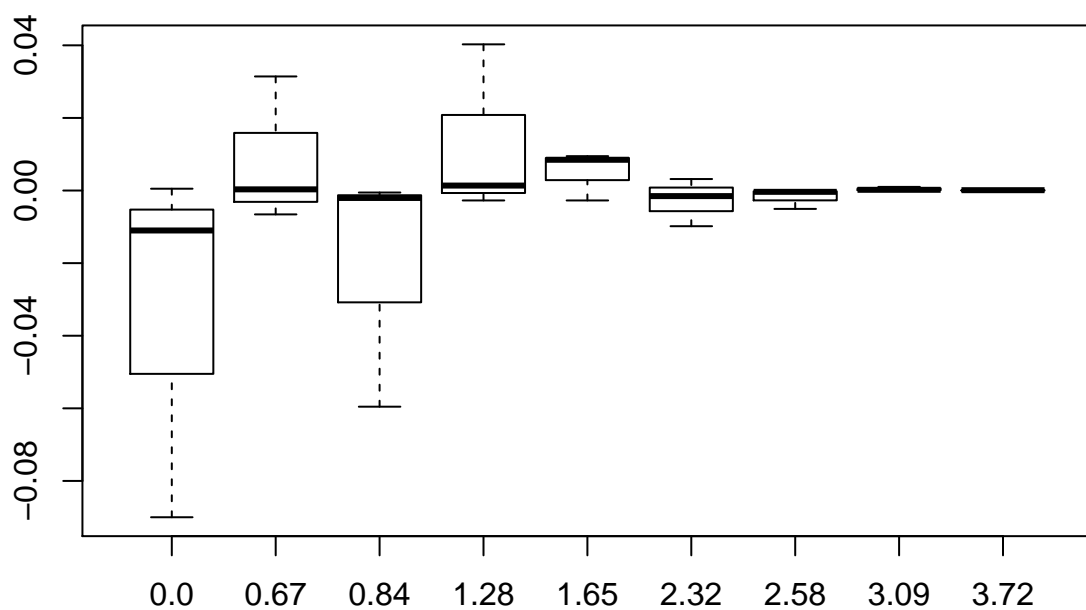
```
##      10^2 10^3 10^4      true
## 0.0  0.39 0.520 0.5094 0.5000000
## 0.67 0.76 0.724 0.7444 0.7485711
## 0.84 0.75 0.816 0.8051 0.7995458
## 1.28 0.87 0.917 0.9012 0.8997274
## 1.65 0.91 0.958 0.9538 0.9505285
## 2.32 1.00 0.991 0.9905 0.9898296
## 2.58 1.00 0.994 0.9941 0.9950600
## 3.09 0.99 0.999 0.9990 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



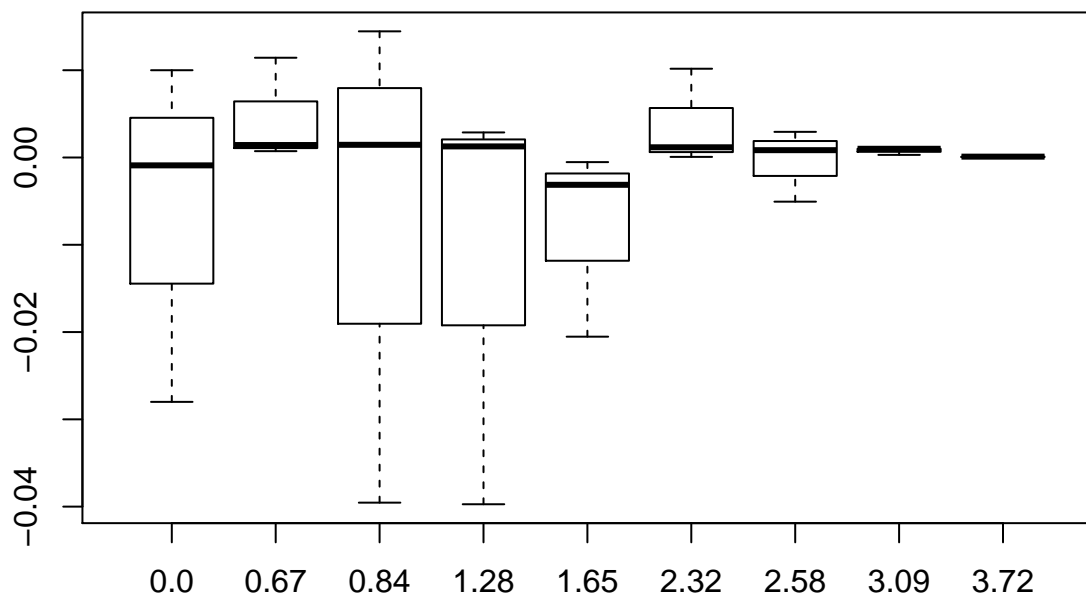
```
##      10^2 10^3 10^4      true
## 0.0 0.53 0.526 0.5003 0.5000000
## 0.67 0.81 0.728 0.7531 0.7485711
## 0.84 0.82 0.816 0.7960 0.7995458
## 1.28 0.93 0.892 0.9019 0.8997274
## 1.65 0.96 0.953 0.9514 0.9505285
## 2.32 0.99 0.994 0.9901 0.9898296
## 2.58 0.99 0.997 0.9952 0.9950600
## 3.09 1.00 0.995 0.9990 0.9989992
## 3.72 1.00 0.998 0.9999 0.9999004
```



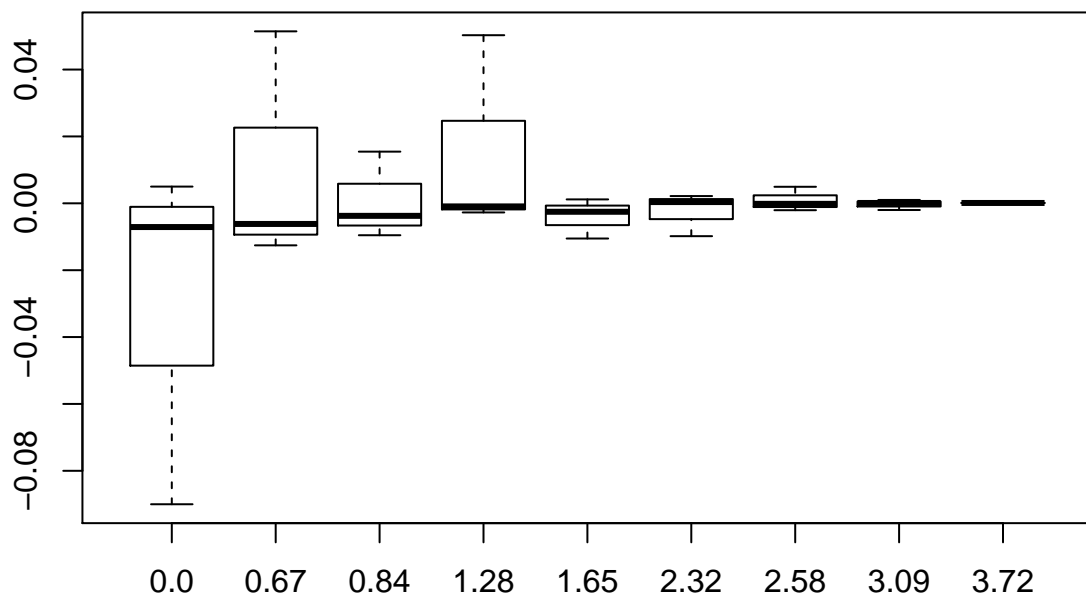
```
##      10^2 10^3 10^4      true
## 0.0  0.41 0.489 0.5005 0.5000000
## 0.67 0.78 0.742 0.7489 0.7485711
## 0.84 0.74 0.799 0.7975 0.7995458
## 1.28 0.94 0.897 0.9011 0.8997274
## 1.65 0.96 0.959 0.9478 0.9505285
## 2.32 0.98 0.993 0.9883 0.9898296
## 2.58 0.99 0.995 0.9947 0.9950600
## 3.09 1.00 0.999 0.9992 0.9989992
## 3.72 1.00 1.000 0.9998 0.9999004
```



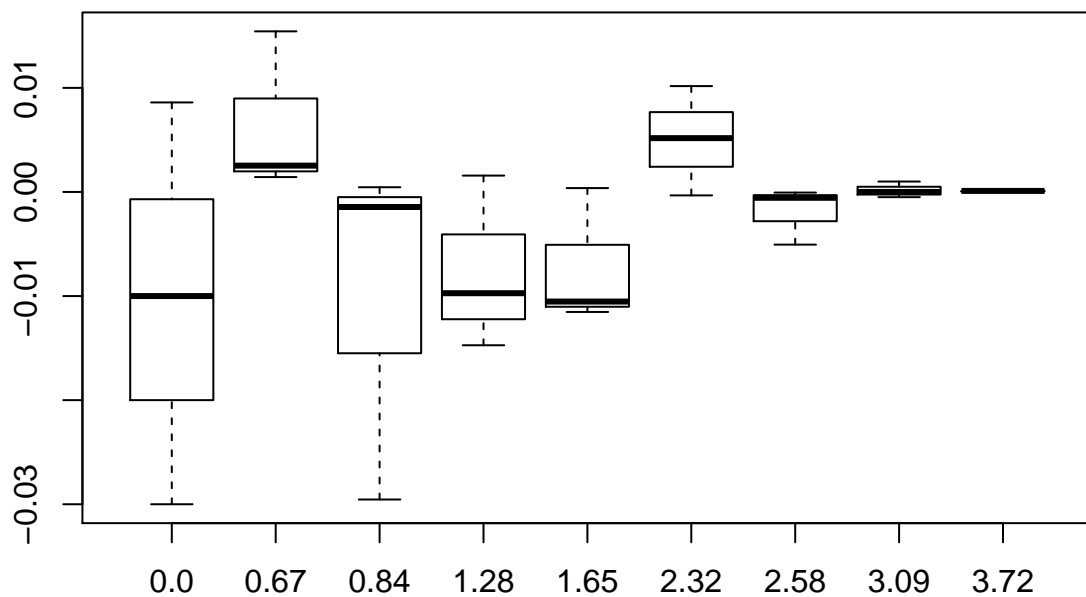
```
##      10^2 10^3 10^4      true
## 0.0 0.51 0.472 0.4991 0.5000000
## 0.67 0.76 0.750 0.7493 0.7485711
## 0.84 0.76 0.814 0.8010 0.7995458
## 1.28 0.86 0.901 0.9026 0.8997274
## 1.65 0.95 0.930 0.9474 0.9505285
## 2.32 1.00 0.991 0.9899 0.9898296
## 2.58 0.99 0.998 0.9959 0.9950600
## 3.09 1.00 1.000 0.9993 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



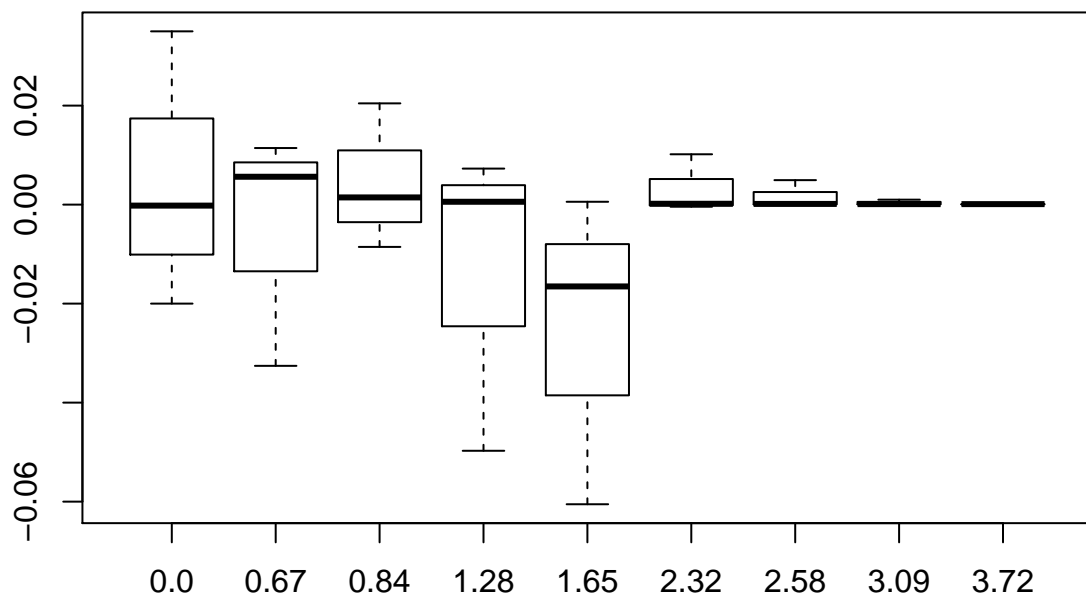
```
##      10^2 10^3  10^4      true
## 0.0  0.41 0.505 0.4929 0.5000000
## 0.67 0.80 0.736 0.7424 0.7485711
## 0.84 0.79 0.815 0.7958 0.7995458
## 1.28 0.95 0.897 0.8988 0.8997274
## 1.65 0.94 0.948 0.9517 0.9505285
## 2.32 0.98 0.992 0.9902 0.9898296
## 2.58 1.00 0.993 0.9949 0.9950600
## 3.09 1.00 0.997 0.9991 0.9989992
## 3.72 1.00 1.000 1.0000 0.9999004
```



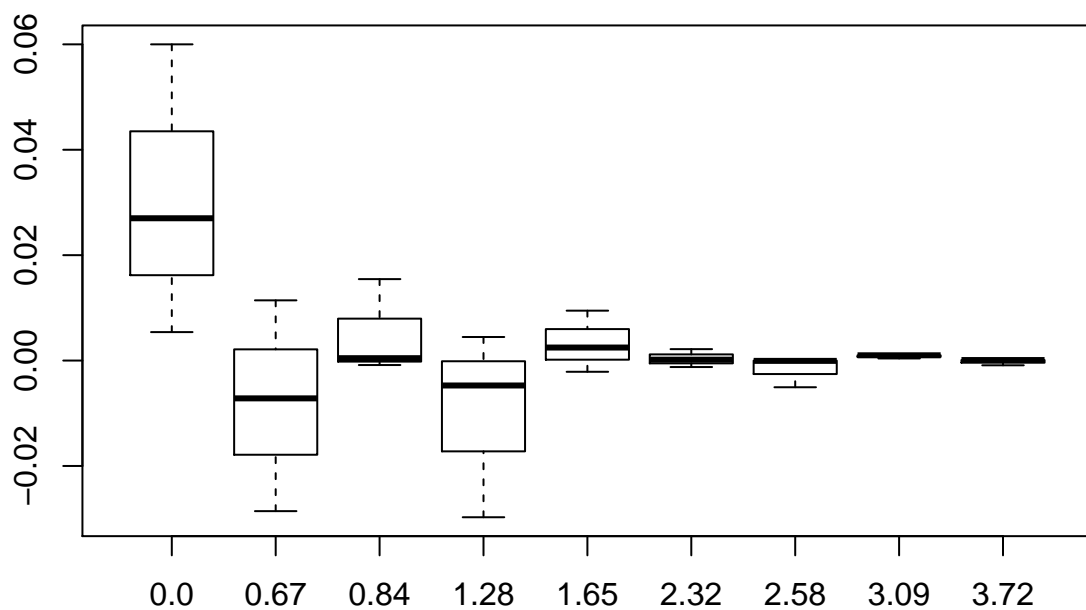
```
##      10^2 10^3  10^4      true
## 0.0  0.47 0.490 0.5086 0.5000000
## 0.67 0.75 0.764 0.7511 0.7485711
## 0.84 0.77 0.800 0.7981 0.7995458
## 1.28 0.89 0.885 0.9013 0.8997274
## 1.65 0.94 0.939 0.9509 0.9505285
## 2.32 1.00 0.995 0.9895 0.9898296
## 2.58 0.99 0.995 0.9945 0.9950600
## 3.09 1.00 0.999 0.9985 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



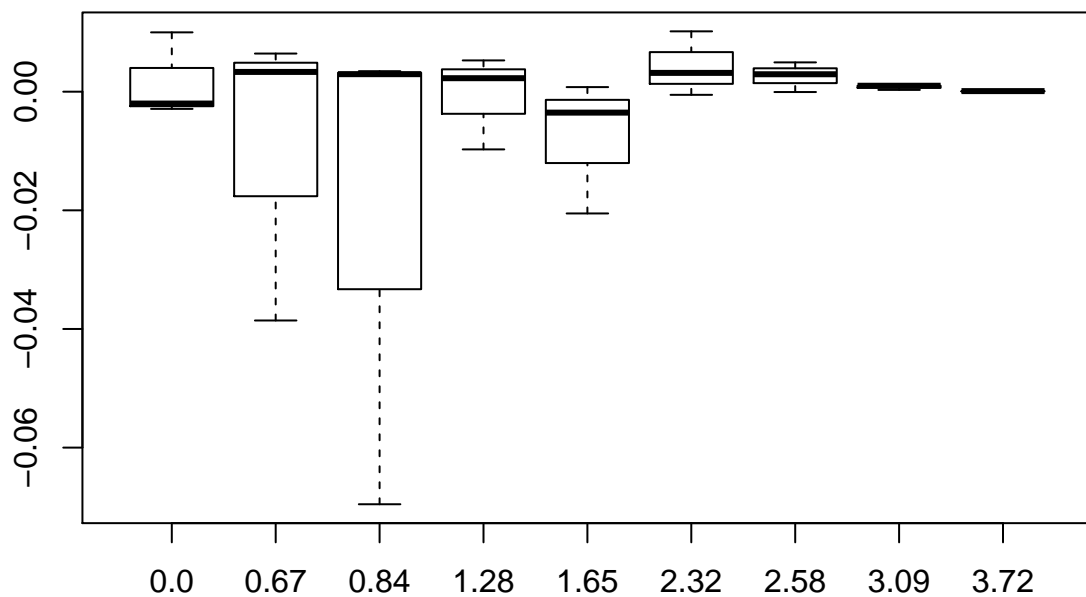
```
##      10^2 10^3 10^4      true
## 0.0  0.48 0.535 0.4998 0.5000000
## 0.67 0.76 0.716 0.7542 0.7485711
## 0.84 0.82 0.791 0.8010 0.7995458
## 1.28 0.85 0.907 0.9003 0.8997274
## 1.65 0.89 0.934 0.9511 0.9505285
## 2.32 1.00 0.990 0.9894 0.9898296
## 2.58 1.00 0.995 0.9952 0.9950600
## 3.09 1.00 0.999 0.9991 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



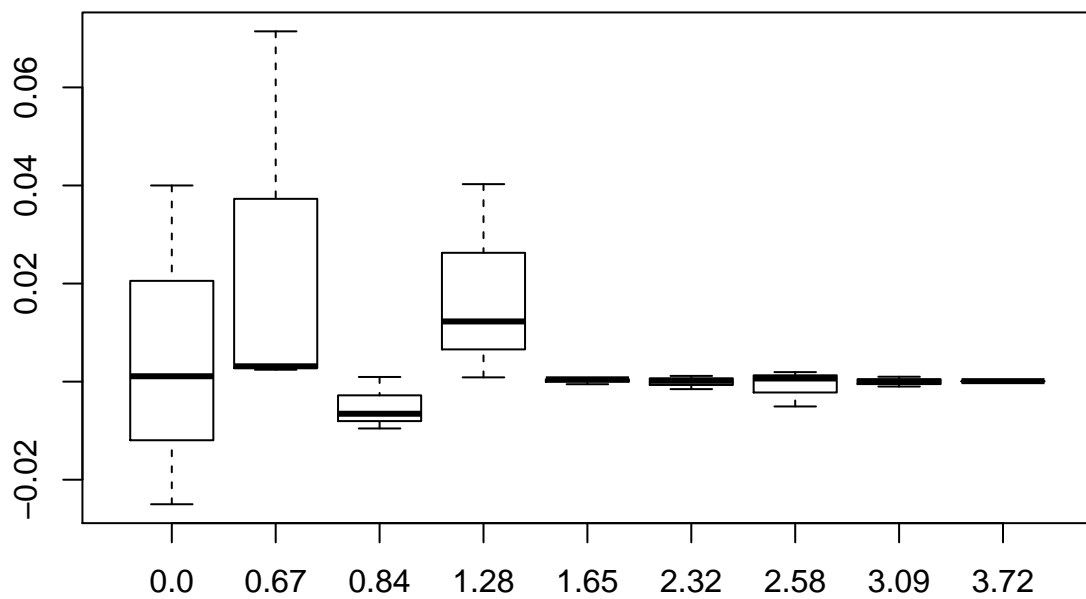
```
##      10^2 10^3 10^4      true
## 0.0 0.56 0.527 0.5054 0.5000000
## 0.67 0.72 0.760 0.7414 0.7485711
## 0.84 0.80 0.815 0.7987 0.7995458
## 1.28 0.87 0.895 0.9042 0.8997274
## 1.65 0.96 0.953 0.9484 0.9505285
## 2.32 0.99 0.992 0.9886 0.9898296
## 2.58 0.99 0.995 0.9951 0.9950600
## 3.09 1.00 1.000 0.9994 0.9989992
## 3.72 1.00 0.999 1.0000 0.9999004
```

```
##      10^2 10^3 10^4      true
## 0.0  0.51 0.498 0.4971 0.5000000
## 0.67 0.71 0.755 0.7519 0.7485711
## 0.84 0.73 0.803 0.8025 0.7995458
## 1.28 0.89 0.905 0.9020 0.8997274
## 1.65 0.93 0.947 0.9513 0.9505285
## 2.32 1.00 0.993 0.9893 0.9898296
## 2.58 1.00 0.998 0.9950 0.9950600
## 3.09 1.00 1.000 0.9993 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



```
##      10^2  10^3   10^4    true
## 0.0  0.54 0.475 0.5011 0.5000000
## 0.67 0.82 0.751 0.7517 0.7485711
## 0.84 0.79 0.793 0.8005 0.7995458
## 1.28 0.94 0.912 0.9006 0.8997274
## 1.65 0.95 0.951 0.9510 0.9505285
## 2.32 0.99 0.991 0.9883 0.9898296
## 2.58 0.99 0.997 0.9957 0.9950600
## 3.09 1.00 0.998 0.9990 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```



```
##      10^2 10^3 10^4      true
## 0.0 0.42 0.518 0.4902 0.5000000
## 0.67 0.79 0.746 0.7527 0.7485711
## 0.84 0.81 0.821 0.8017 0.7995458
## 1.28 0.88 0.900 0.8976 0.8997274
## 1.65 0.95 0.939 0.9508 0.9505285
## 2.32 0.98 0.993 0.9881 0.9898296
## 2.58 1.00 0.995 0.9954 0.9950600
## 3.09 1.00 1.000 0.9995 0.9989992
## 3.72 1.00 1.000 0.9999 0.9999004
```

