

Porazdelitev ocen

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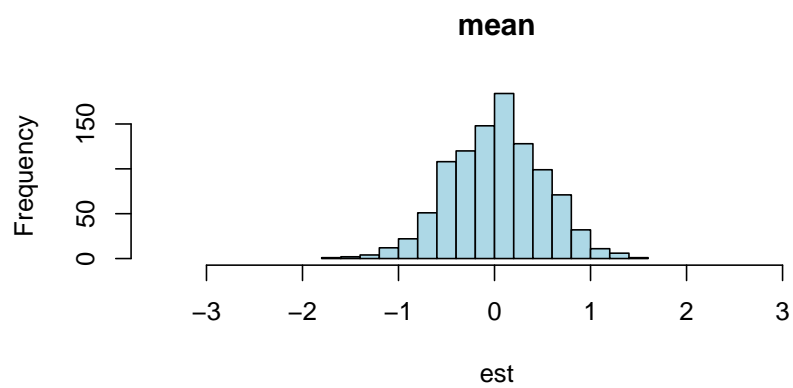
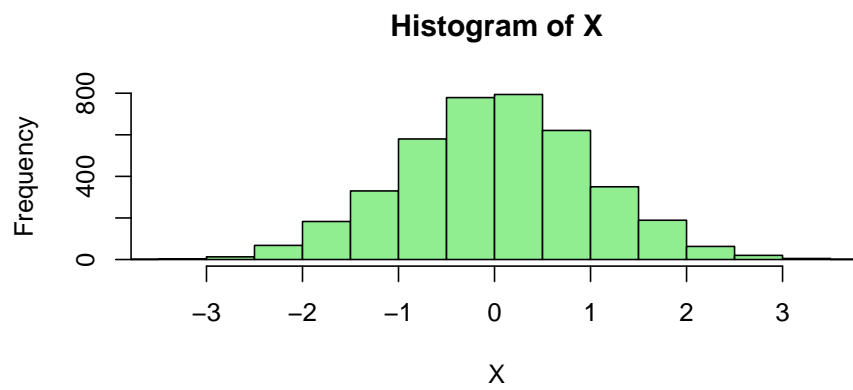
1

1 Funkcija

```
> n <- 4
> m <- 10
> X <- matrix(rnorm(n*m), m, n)
> est <- apply(X, 1, mean)
> E <- mean(est)
> se <- sd(est)
> se
[1] 0.3383287
>

> ocene <- function(n=4, m=1000,
+ FUN=rnorm, cenilka=mean, ...){
+ ctext <- deparse(substitute(cenilka))
+ X <- matrix(FUN(n*m, ...), m, n)
+ est <- apply(X, 1, cenilka)
+ E <- mean(est)
+ se <- sd(est)
+ cat("Standardna napaka: \n", se, "\n")
+ #
+ par(mfrow=c(2, 1))
+ hist(X, col="lightgreen", xlim=range(X))
+ hist(est, col="lightblue", xlim=range(X),
+ main=ctext)
+ return(c(povp=E, se=se, n=n))
+ }

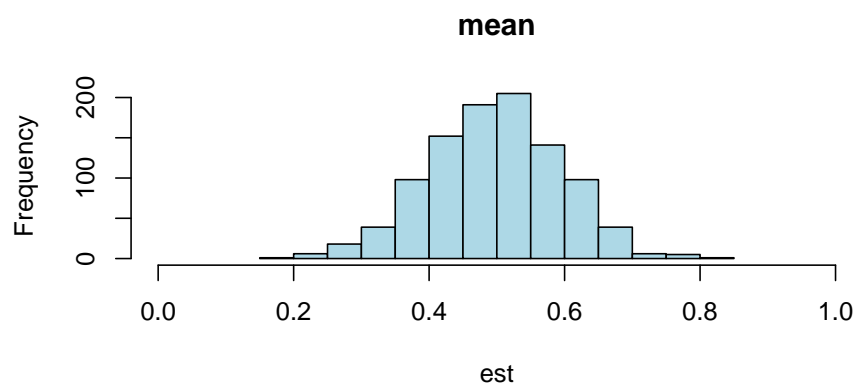
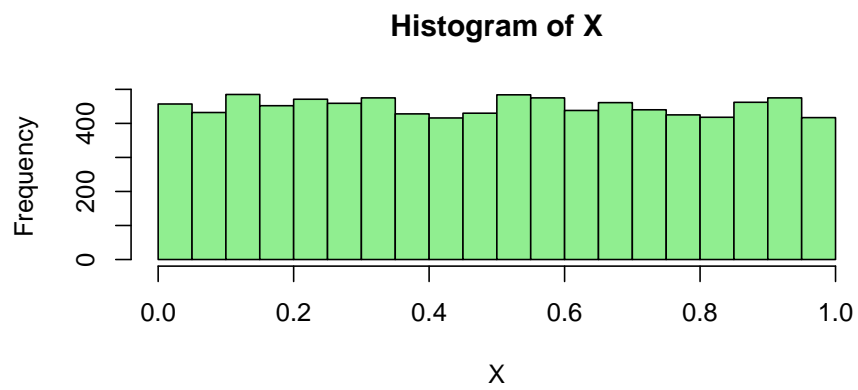
> ocene()
Standardna napaka:
0.4825507
      povp      se      n
0.02129943 0.48255067 4.00000000
>
```



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Enakomerna po-

```
> ocene(n=9, FUN=runif)
Standardna napaka:
0.09697069
      povp      se      n
0.49629758 0.09697069 9.00000000
>
```

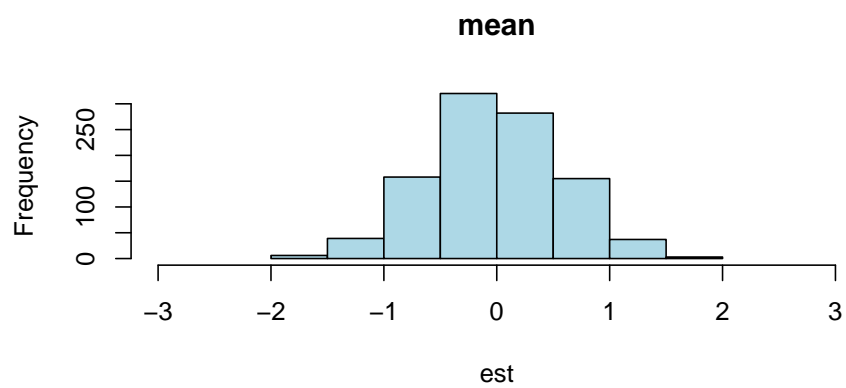
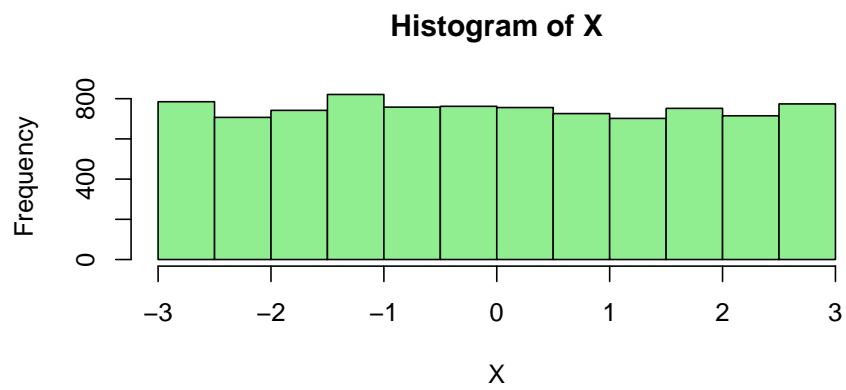


```
> ocene (n=9, FUN=runif, min=-3, max=3)
```

```
Standardna napaka:
```

```
0.587588
      povp      se      n
-0.02018932  0.58758802  9.00000000
```

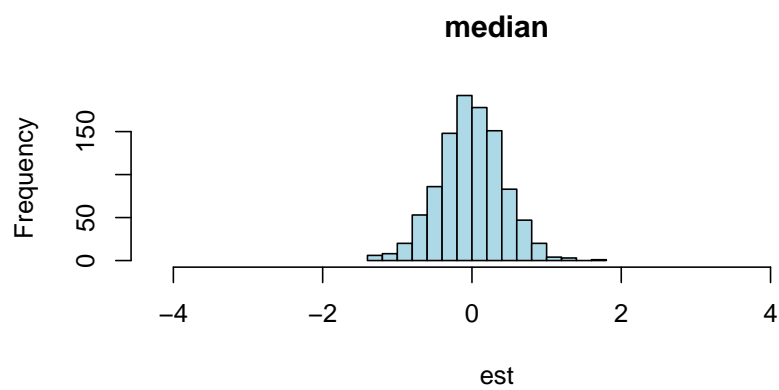
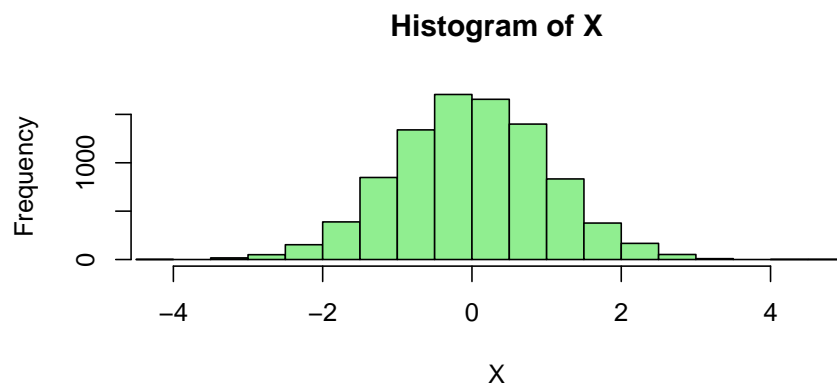
```
>
```



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Porazdelitev me-

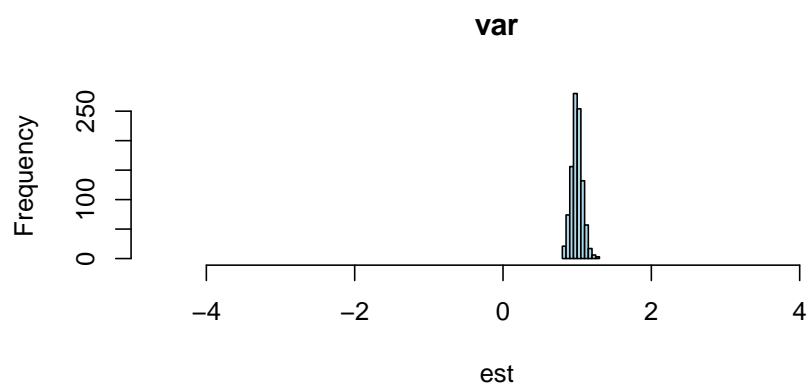
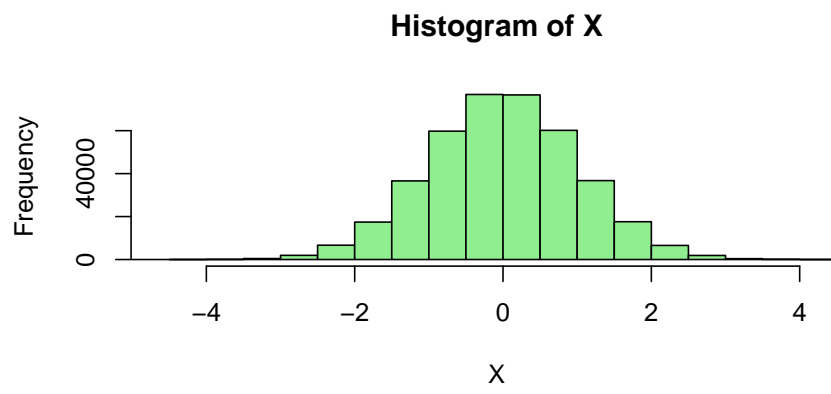
```
> ocene(n=9, cenilka=median)
Standardna napaka:
0.429369
      povp      se      n
-0.01332132 0.42936905 9.00000000
>
>
```



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```
> ocene(n=400, cenilka=var)
Standardna napaka:
0.07405122
      povp      se      n
0.99686334 0.07405122 400.00000000
```



SessionInfo

Windows 7 x64 (build 7601) Service Pack 1

- R version 2.15.1 (2012-06-22), x86_64-pc-mingw32
- Locale: LC_COLLATE=Slovenian_Slovenia.1250, LC_CTYPE=Slovenian_Slovenia.1250, LC_MONETARY=Slovenian_Slovenia.1250, LC_NUMERIC=C, LC_TIME=Slovenian_Slovenia.1250
- Base packages: base, datasets, graphics, grDevices, methods, splines, stats, utils
- Other packages: Hmisc 3.10-1, patchDVI 1.9, survival 2.36-14
- Loaded via a namespace (and not attached): cluster 1.14.2, grid 2.15.1, lattice 0.20-6, tools 2.15.1

Project path: D:/_Y/R/rps

Main file : ../doc/vzorcn.Rnw

View as vignette

Project files can be viewed by pasting this code to R console:

```
> projectName <-"rps"; mainFile <-"vzorcn"

> commandArgs()
> library(tkWidgets)
> openPDF(file.path(dirname(getwd()), "doc",
+ paste(mainFile, "PDF", sep=". ")))
> viewVignette("viewVignette", projectName, #
+ file.path("../doc", paste(mainFile, "Rnw", sep=". ")))
> #
```