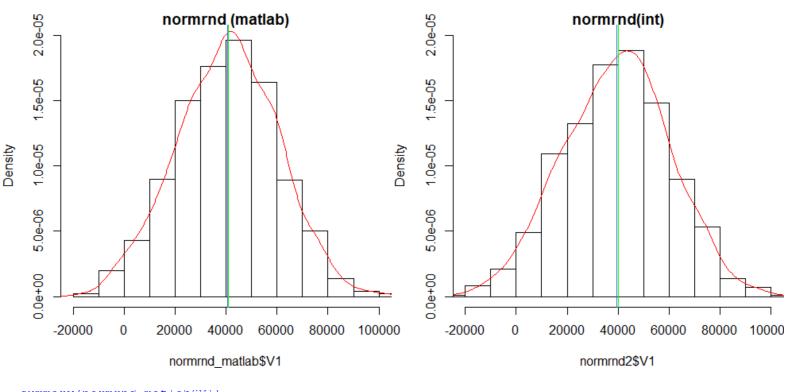
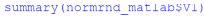


Min. 1st Qu. Median Mean 3rd Qu. Max. -16395 27331 40749 40576 54028 105324

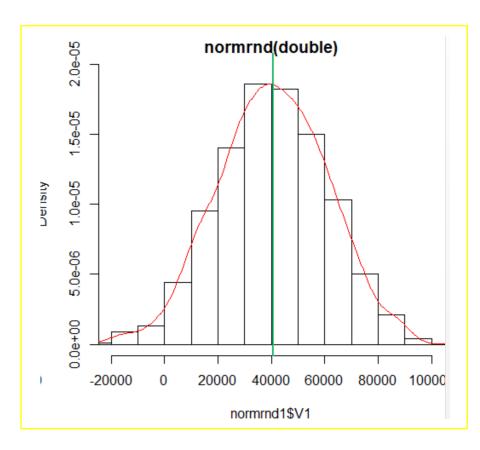
Min. 1st Qu. Median Mean 3rd Qu. Max. -34749 25120 40139 39360 53309 101177





Min. 1st Qu. Median Mean 3rd Qu. Max. -16395 27331 40749 40576 54028 105324

Min. 1st Qu. Median Mean 3rd Qu. Max. -34749 25120 40139 39360 53309 101177



Min. 1st Qu. Median Mean 3rd Qu. Max. -39896 26608 40623 40553 54949 110381

> sum(normrnd1\$V1 > 50000) [1] **329**

> sum(normrnd2\$V1 > 50000) [1] **313**

> sum(normrnd_matlab\$V1 > 50000) [1] **323**

Checking possible difference using kstest (Kolmogorov-Smirnov test)

Testing possible difference between rand in Matlab and rand{0,1} used in CPP

Two-sample Kolmogorov-Smirnov test

data: x (matlab) and y (cpp)

D = 0.036, p-value = 0.5361

alternative hypothesis: two-sided

with p-value of **0.5361**, greater than the significance level of 0.05, we would fail to reject the null hypothesis and therefore conclude that **there** is no significant evidence to suggest that the two distributions are different

Testing possible difference between randn in Matlab and randn(0.0, 1,0) used in CPP

Two-sample Kolmogorov-Smirnov test

data: x (matlab) and y (cpp)

D = 0.029, p-value = 0.7944

alternative hypothesis: two-sided

with p-value of **0.7944**, considerably greater than the significance level of 0.05, we would fail to reject the null hypothesis and therefore conclude that **there is no significant evidence to suggest that the two distributions are different**

Testing possible difference between **normnd** in Matlab and **normnd(double)** used in CPP

Two-sample Kolmogorov-Smirnov test

data: x (matlab) and y (cpp)

D = 0.025, p-value = 0.9135

alternative hypothesis: two-sided

with p-value of **0.9135**, considerably greater than the significance level of 0.05, we would fail to reject the null hypothesis and therefore conclude that **there is no significant evidence to suggest that the two distributions are different**