```
RStudio
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   R2.r × Untitled1* × Untitled2 ×
                       #Vectorized form
set.seed(25)
                                                                                                                                                                                                                                                                                                                                                                                                                                                           → Run → → Source →
                       #create matrix
m<- replicate(10,rnorm(10))</pre>
                        #transform into data frame
df= data.frame(m)
        12
13
14
15 #non-vectorized form
16 set.seed(25)
          18  #create matrix
19  m1<- replicate(10,rnorm(10))
          19 mix- representation 20 21 #transform into data frame 22 df1- data frame(m1) 1:1 (Top Level) $
      Console Terminal ×
     > #Vectorized form
> set.seed(25)
     > #create matrix
> m<- replicate(10,rnorm(10))
> #transform into data frame
> df= data.frame(m)
    > print(df)
    X1    X2    X3    X4    X5    X6    X7    X8    X9    X10
    1    6.899234   5.328280   7.628479   5.872614   7.325542   7.223933   5.635906   8.855550   8.615193   8.196582
    2    6.029477   5.746115   7.239849   6.560904   7.125611  7.537703   7.117658   5.955775   6.458569   8.751369
    3    5.917760   6.523134   7.226327   7.377314   7.340465   5.722446   7.020877   6.998918   5.995621   7.025253
    4    7.392599   5.614684   9.438833   7.003191   6.575246   6.699737   5.783536   6.416138   5.732227   6.711365
    5    5.570938   7.153755   5.485423   7.443270   7.860052   9.119263   8.225180   8.305818   7.187068   5.798298
    6    6.625535   7.998647   5.967534   8.42370   7.022790   6.040714   5.693330   6.716064   7.512075   8.722577
    7    8.805113   6.354298   7.973855   5.631456   7.355509   6.262154   5.922769   7.095361   7.324396   8.041802
    8    7.582363   8.033467   7.139386   6.325660   4.726155   6.171555   8.487326   5.9950216   6.469743   6.771904
    9    7.170713   8.616952   5.921600   5.986808   7.423208   8.392717   7.176831   7.202585   6.389195   7.157407
    10   7.013177   6.061304   6.169793   6.159257   6.334359   5.168478   6.666408   6.053174   6.432661   5.503286
```