How to Start - Run the Docker App and analyze the GeoMx dataset?

The following snapshots were taken from a MacBook with Apple silicon (M1) and a Windows PC.

1. Execute the Docker app by typing the following <u>one-line</u> command in Terminal:

   ```
   docker run -it
   -v USER_DIRECTORY/HBW1-GeoMxDSP:/home/rstudio/analysis
   ucasoc/hbw1-geomxdsp R
   ```

   Replace *USER_DIRECTORY* to the directory where the HBW1-GeoMxDSP folder is.

2. Set the baseDir parameter and you can see the files in the HBW1-GeoMxDSP folder:

   ```
   baseDir <- "/home/rstudio/analysis"
   dir(baseDir)
   ```

3. You're all set – you can start from *Section 3.1* in the Reference I.

[MacOS]

```
Mac:Desktop$ docker run -it -v ~/Desktop/HBW1-GeoMxDSP:/home/rstudio/analysis ucasoc/hbw1-geomxdsp R

R version 4.3.1 (2023-06-16) -- "Beagle Scouts"
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Platform: aarch64-unknown-linux-gnu (64-bit)

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  Natural language support but running in an English locale

R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.

> baseDir <- "/home/rstudio/analysis"
> dir(baseDir)
[1] "Annot"        "DCC"          "Documents"    "Images"       "LabWorksheet"
[6] "LICENSE.txt"  "PKC"          "README.md"
```

[Windows]

```
C:\Windows\system32\cmd.e    ×    +    ∨                                        —    □    ×

c:\Users\ASOC>docker run -it -v C:\Users\ASOC\Desktop\HBW1-GeoMxDSP:/home/rstudio/analysis ucasoc/hbw1-geomxdsp R

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