

eTBS Visualiser

1. User Guide

1.1. Running the Visualiser

In order to use the eTBS visualiser on your local PC, you must first [install R](#).

Once R is installed, open the R console and run the following commands after installing the required R packages (see next section) :

```
# Replace the file path with the directory containing the eTBS Visualiser folder
setwd("C:/Users/USER NAME/Documents/")

shiny::runApp("eTBS Visualiser", launch.browser = TRUE)
```

Alternatively, you can [install RStudio](#), open any of the files **global.R**, **ui.R** or **server.R** in RStudio, install the required R packages and click the run icon on the top right-hand side of the source window.

1.2. Editing the Visualiser

RStudio is recommended for development of the visualiser. It is not recommended to move any files within the **eTBS Visualiser** folder as this will break functionality.

2. R Package Requirements

Run the command below within the R console to install the required R packages for the visualiser to function correctly:

```
install.packages(c("shiny", "shinydashboard", "shinyWidgets", "leaflet",
"RColorBrewer", "data.table", "here", "magrittr", "RODBC"))
```

3. Version Notes

14/02/2019

- Incorporated database import script into dashboard

13/02/2019

- Imported database files to local csv
- Added working map for PLT analysis track plotting
- Corrected map and dashboard layout problems

12/02/2019

- Added leaflet map to PLT analysis
- Set up initial dashboard template