# **Tinn is not Notepad**

http://tinn.solarvoid.com

#### and run R

#### Tinn-R version 0.0.8.8 r1.04

http://www.sciviews.org/Tinn-R

# Adaptation of the Tinn as editor of scripts for the R

The Tinn is an editor in development with the Delphi 5 of the Borland, addressed to programmers, of free code under GPL (GNU Public License), developed under the operational system Windows.

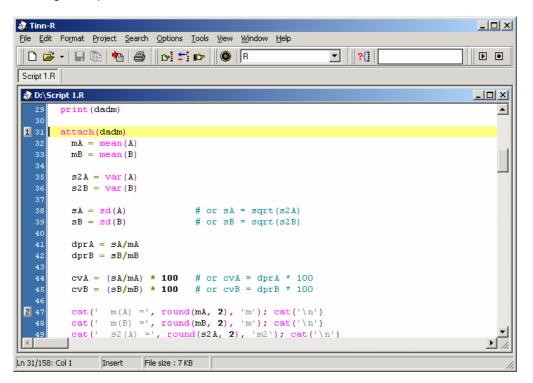
The adaptation as an editor of scripts for the R (Tinn-R) was made by José Cláudio Faria/DCET/UESC/Brasil and finalized on 07/31/2004. The main resource used for programming was a SendKeys component which was kindly donated to the project for MJT NET (http://mjtnet.com/). So far the adaptation was tested on Windows XP and Windows 2000.

## Main characteristics (Tinn-R)

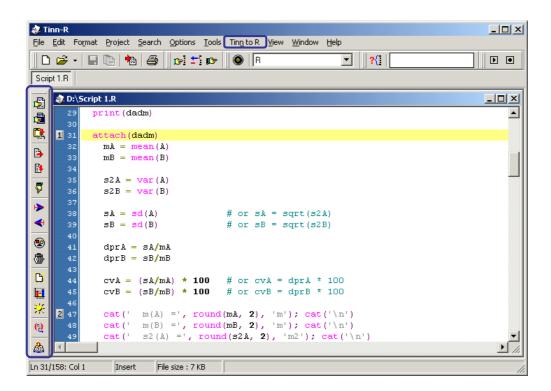
- 1. Highlight the R
- 2. Menu and toolbar specific for the R
- 3. Allows to work with the following graphic interfaces of R:
  - RGui
  - R Console
  - SciViews R Console (it is suggested to close the command editor of the SciViews)

### Tips for using it

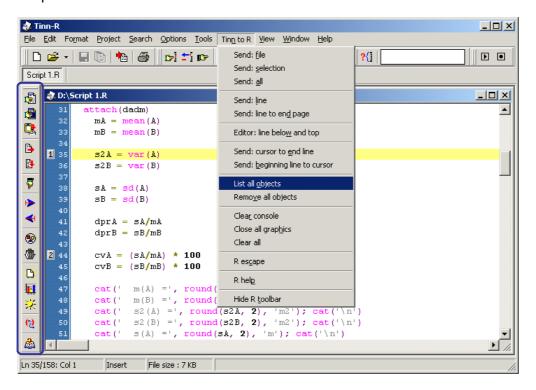
1. If R is not running the specific menu and toolbar, it will not be visualized:



2. Only if R is running the specific menu and toolbar, it can be visualized:



- 3. Don't use any accents and do not use symbols (@, #, \$, %, ^, &) in path or in files names of scripts of the R! This can cause an irregular functioning of the programs.
- 4. Details of the specific menu:

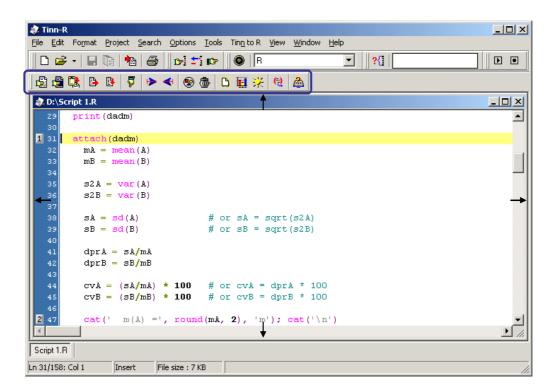


5. The toolbar can be placed conveniently on the screen for the user:

```
File Edit Format Project Search Options Tools Tinn to R View Window Help
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 D:\Script 1.R

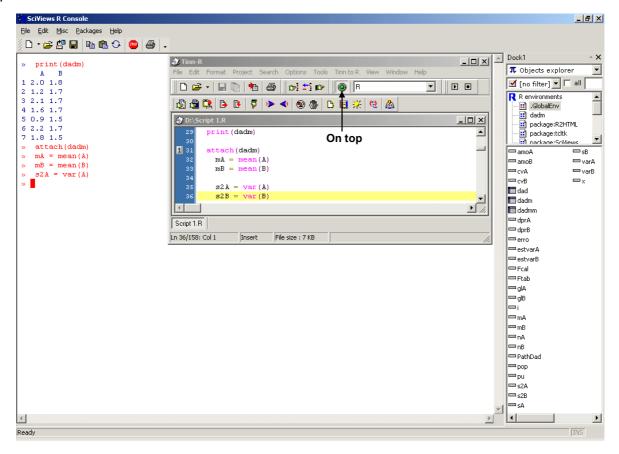
                                                                                                                                                                         print (dadm)
                                                                                                                                                                                  1 31
              attach (dadm)
                  mA = mean(A)
                  mB = mean(B)
                                                                                                                                                    R toolbar 💌
       34
                                                                                                                                                      🗐 🗐 🖳
                 s2A = var(A)
s2B = var(B)
                                                                                                                                                      3
       38
39
                                                              # or sA = sqrt(s2A)
# or sB = sqrt(s2B)
                  sA = sd(A)
                  sB = sd(B)
                                                                                                                                                      → <</p>
                   dprA = sA/mA
                                                                                                                                                      🕏 🐠
                   dprB = sB/mB
                                                                                                                                                      夏 糧 米
                   cvA = (sA/mA) * 100  # or cvA = dprA * 100
cvB = (sB/mB) * 100  # or cvB = dprB * 100
                                                                                                                                                      (t) 🚵
                   \begin{array}{lll} \mathtt{cat}(' & \mathtt{m}(\mathbb{A}) = ', \ \mathtt{round}(\mathtt{m}\mathbb{A}, \ 2), \ '\mathtt{m}'); \ \mathtt{cat}(' \setminus \mathtt{n}') \\ \mathtt{cat}(' & \mathtt{m}(\mathbb{B}) = ', \ \mathtt{round}(\mathtt{m}\mathbb{B}, \ 2), \ '\mathtt{m}'); \ \mathtt{cat}(' \setminus \mathtt{n}') \\ \mathtt{cat}(' & \mathtt{s2}(\mathbb{A}) = ', \ \mathtt{round}(\mathtt{s2}\mathbb{A}, \ 2), \ '\mathtt{m2}'); \ \mathtt{cat}(' \setminus \mathtt{n}') \end{array}
Ln 31/158: Col 1 Insert File size : 7 KB
```



6. The files with the extensions \*.r, \*.R, \*.q and \*.Q are recognized as scripts of the R. If the file does not have these extensions, or if it has not been saved, some logical options associated are disabled:

```
🐉 Tinn-R - [D:\SynHighlighterR.pas]
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File Edit Format Project Search Options Tools Tinn to R View Window Help
                                                                                  _ B ×
🗎 🚅 → 🗐 🐚 🍓 🗐 📬 😭 🔘 Object Pascal
                                                       ▼ | | ?{
                                                                                 •
1249 function TSynRSyn.Func43: TtkTokenKind;
                                                                                      _
1250 begin
1251
      if KevComp('abline') then Result := tkReserved 3 else
         if KeyComp('pico') then Result := tkReserved_2 else
           if KeyComp('frame') then Result := tkReserved_2 else
            if KeyComp('AIC.lme') then Result := tkReserved_2 else
1254
              if KeyComp('crabs') then Result := tkReserved 2 else
                if KevComp('is.na') then Result := tkReserved 2 else
                  if KeyComp('cats') then Result := tkReserved 2 else
                    if KeyComp('DNase') then Result := tkReserved_2 else
                      if KeyComp('tanh') then Result := tkReserved_2 else
                         if KeyComp('FALSE') then Result := tkReserved_1 else
2260
                          if KeyComp('na.fail') then Result := tkReserved 2 else
                            if KeyComp('ridge') then Result := tkReserved 2 else
                              if KeyComp('mona') then Result := tkReserved 2 else
                                if KeyComp('rfs') then Result := tkReserved 2 else
                                   if KeyComp('rlm') then Result := tkReserved_2 else
                                    if KeyComp('spec') then Result := tkReserved_2 el:
                                      if KeyComp('local') then Result := tkReserved 2
                                        if KeyComp('asin') then Result := tkReserved
Script 1.R SynHighlighterR.pas
Ln 1260/5758: Col 33 Insert
                      File size: 318 KB
```

7. To send line by line of the Tinn for the R it is recommended to dispose the windows for the two applications (RGui and Tinn) in a satisfactory way for the purposes and set the option **on top** of the Tinn:



Suggestions: joseclaudio.faria@terra.com.br

For more details see help of Tinn.

I am grateful to those who have tested this project, who have given suggestions and have stimulated it in its preliminary versions, especially Philippe Grosjean (coordinador of the team of development of the SciViews: <a href="http://www.sciviews.org/main.htm">http://www.sciviews.org/main.htm</a>) and Anderson Barbieri (coordinador of the team of development of the Notes editor: <a href="http://notes.codigolivre.org.br/">http://notes.codigolivre.org.br/</a>).

José Cláudio Faria/DCET/UESC Ilhéus/Bahia/Brasil 08/05/2004