

Running Rapp and editing Rapp programs

2018-04-09, Stig Rosenlund

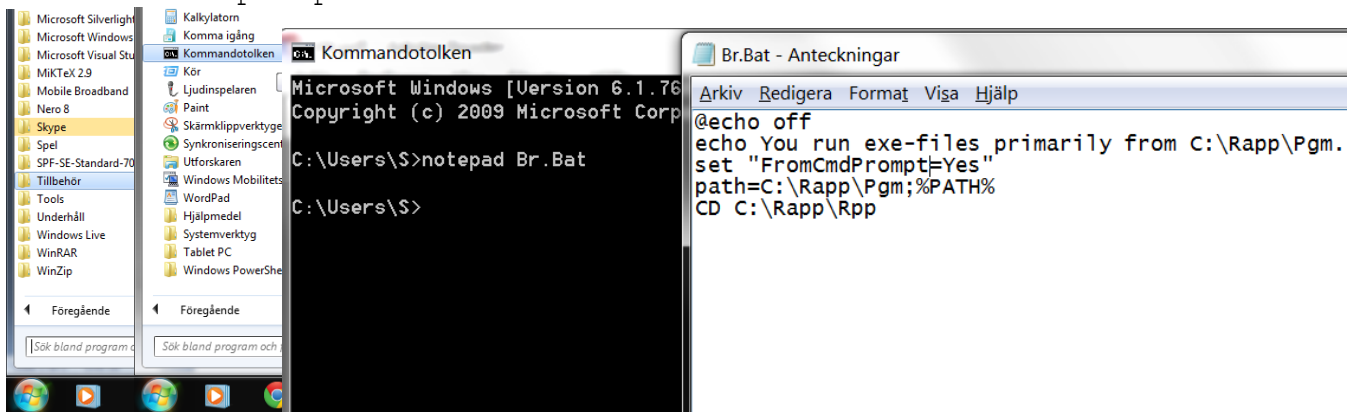
We assume you have created the folder C:\Rapp from the downloaded zipfile Rapp.zip or Rapp.zipx.

1. Run and edit Rapp.Exe without using Rappmenus.Exe

1.A. Running Rapp from the command prompt

Initiation: create an environment at the command prompt
Startmenu / All programs / Accessories / Command prompt

I illustrate how to do it below. In Swedish Accessories is Tillbehör and Command prompt is Kommandotolken.



Copy the five lines below.

```
@echo off
echo You run exe-files primarily from C:\Rapp\Pgm.
set "FromCmdPrompt=Yes"
path=C:\Rapp\Pgm;%PATH%
CD C:\Rapp\Rpp
```

At the prompt >, write

Notepad Br.Bat

Answer Yes to Create new file?

Paste the five lines into new file Br.Bat. Close up right and save.

Place a shortcut to Command prompt on the desktop or the Startmenu.

Daily use

When you are going to run a Rapp program, go into the Command prompt and write Br and press Enter.

For example there is a simple program C:\Rapp\Rpp\HelloWorld.Rpp. Run it at the Command prompt by

Rapp HelloWorld

1.B. Running Rapp from Windows Explorer

Initiation: Associate extent .Rpp to Rapp.Exe in Windows Explorer
 Either run Adapt Exe or

Click or rightclick in Windows Explorer on a Rapp-program with extent .Rpp (for example Init.Rpp), select Open / Choose Program / Browse / locate Rapp.Exe and tick Always use this program.

Daily use

Run a Rapp-program by doubleclick or click+return in Windows Explorer. When its done, press enter to exit Rapp.

Advantages and disadvantages of running Rapp from the command prompt

Advantages

1. It will always work, while the association in Windows Explorer might get lost and be difficult to restore due to authorization problems.
2. The working directory will always be C:\Rapp\Rpp. Some Rapp programs presume this. In Windows Explorer it might be something else.
3. As Rapp developer, I can make a sequence of versions of Rapp for testing some new feature, and run them quickly. For example I might make t1.exe, which is Rapp with some change, and run it in the command prompt with t1 tst1. That is inconvenient in Windows Explorer.

Disadvantages

1. It takes some time to write a long Rapp program name.
2. It has a feeling of being old and not elegant.

Disadvantage no 2 is just superficial, though.

1.C. Editing Rapp programs

To write Rapp-programs you can use a text editor you're used to, such as the SAS source editor, Wordpad or Notepad. I recommend SPF Source Editor from CTC Command Technology Corporation. It costs some money, presently \$88 for perpetual use. Web site:

<http://www.commandtechnology.com>

2. Run and edit in Rappmenus.Exe.

Besides these ways there is Rappmenus.Exe, which generates and runs Rapp programs for certain applications dynamically. In 2017 and 2018 it has been amended with a text editor, suitable for any text file. Rapp programs can be executed with a Run button. SPF has more capabilities, but takes some time to learn.

A Rapp-Program for multivariate linear regression, in Overwrite mode. "Hide line nos" has been checked to turn off line numbering.

```

Include C:\Rapp\Rpp\Init.Rpp
/*
Proc Linreg performs regular multivariate linear regression, based
on H Cramér, Mathematical Methods of Statistics, Ch 37.3. Provides
point estimates, confidence intervals and p-values. Has no specific
mathematical features - use SAS for more advanced methods.
*/
Proc Linreg
  infl(C:\Rapp\Data\Linreg01.Txt) log level(95)
  utfil(C:\Rapp\Txt\Linregout.txt) gutfil(C:\Rapp\Txt\Lingraf.txt)
Endproc
Proc Graf listfilut(C:\Rapp\Txt\Lingraf.txt) pdf(C:\Rapp\Pdf\Lingraf.Pdf) Endproc
system(del C:\Rapp\Txt\Lingraf.txt & C:\Rapp\Pdf\Lingraf.Pdf)

```

Proc Gpdml for the generalized Pareto distribution.

```

Include C:\Rapp\Rpp\Init.Rpp
Proc Gpdml Infil(C:\Rapp\Data\Catastro-claims.Txt) Utfil(C:\Rapp\Txt\C01.Txt) Endproc
// system(C:\Rapp\Txt\C01.Txt)
Proc Excel listfil(C:\Rapp\Txt\C01.Txt) Xmlfil(C:\Rapp\Xml\C01.Xml) Headerdoubleremove visa ENDPROC

```

A Rapp procedure outside the area of mathematical statistics.

```

N Include C:\Rapp\Rpp\Init.Rpp
// Produces a calendar for any year from 1582. Week numbers by
// ISO 8601 effective 1972. Default CalendarYear() is present year.
Proc Init lan(e) Endproc
// Proc Calend Pdf(C:\Rapp\Pdf\al.Pdf) CalendarYear(1889) charsperday(1) visa ENDPROC
Proc Calend Pdf(C:\Rapp\Pdf\al.Pdf) prompt visa charsperday(1) ENDPROC

```

All buttons and boxes are explained at right-click. The red button M displays the Rapp manual in pdf. The red button P next to it displays the text in edit in pdf. One can think of P as meaning Print, since the pdf file will give a good printout on paper with Ctrl+P.