Football Result Expert System[1]

User Manual

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1. How to Compile

If you don't want to compile this system but just want to run, go to section 2.A.

A. Requirements

To compile and run this system, you must have the following environment.

1) FRES source files (If you need the source files, please e-mail me.)
2) JDK 5.0 or higher (i.e., J2SE 1.5.0 or higher)
   - Note that you can not compile this system with JDK 1.4.2.
3) Jess (http://www.jessrules.com/)
4) JavaBayes (http://www.cs.cmu.edu/~javabayes/)
   - You should rebuild it to make it a module, and the filename of the jar file should be 'ebayes.jar.'
5) GUI supported OS environment (Windows series, any Linux, Mac OS series, Solaris, etc.)

B. Compile on Linux

We provide a 'makefile' for Linux environment, so all you have to do is just type make command in your shell.

C. Compile on Windows

We provide a '_make.bat' file for Windows environment, so you can build this system by double-clicking this batch file.

2. How to Run

We strongly recommend Linux compiling or pre-compiled Windows executable.

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[1] You can visit http://meslab.snu.ac.kr/~bhmin/SportsPredictor/sportspredictor.htm for more information.

A. Files required to run FRES
    1) Executables (Jar, Windows, Linux, Mac, Solaris)
    2) jess.jar and ebayes.jar: Jess and JavaBayes libraries (locate them in the same directory/folder to the executables.)
    3) Team knowledge base (locate the files in the 'TeamKB' directory/folder.)
    4) Rule files (locate them in the same directory/folder to the executables.)

B. Running with the Pre-Compiled Executables
    1) Linux: Execute 'FRES_linux' in your shell or X-Window environment.
    2) Windows: Double-click one of the following files,
- FRES.exe: If you want to run with console.
- FRES(noCMD).exe or FRES.jar: If you want to run without console.
    3) Mac OS: Execute 'FRES_mac_os_x'[2]

- Note that you must have JRE 5.0 or higher, or JDK 5.0 or higher (i.e., J2SE 1.5.0 or higher). This system does NOT work with JRE 1.4.2 or JDK 1.4.2.

3. Manual

A. Main Frame

When you execute this system, you can see the frame like figure 1, and you can see the results of the tournament by clicking 'Go!' button. It's really simple! Just press 'Go!' button and you will get the result! If you want to execute more than one tournament, just press 'Go!' button, again.

In the resultant display,
- (EP) means that the match tied, so two teams had an extra period and the winner won in the extra period.
- (PK) means that the match tied even in the extra period, so two teams did penalty shoot-out.

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[2] You should make JDK 5.0 as a default environment for java application (Mac OS X Tiger's default JDK is JDK 1.4.2, and in this environment, this system doesn't work!). If you can't run this system on Mac OS, please run this system on Linux or Windows.

Figure 1 Main window

B. System's Output (Result)

All the outputs of Java, Jess, and JavaBayes are recorded in '_Result.txt'. The results reflect how this system works. So when you follow the content of this file, you can understand our system's mechanism.

4. Contact Information

If you have any sort of problem or trouble, please contact us. We can help you and/or give you any information you need.

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