Quick-Start Guide

When you open the program the following screen will appear



1- This field tells you which Knowledge-Base you currently have loaded (in this case no Knowledge-Base is loaded).

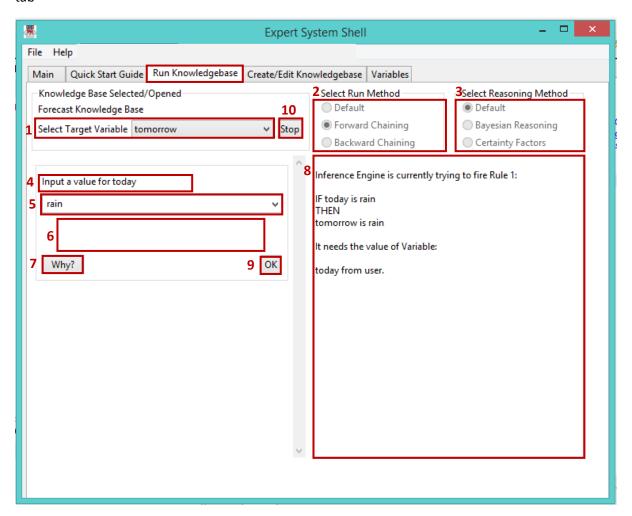
2-

- a. 'Load...' loads an existing Knowledge-Base. Clicking will take you to a directory to choose your Knowledge-Base from a .kb file type.
- b. 'Edit' lets you edit or create a Knowledge-Base select the edit button. This will open two tabs, both the Create/Edit Knowledge-Base tab and the Variables tab.
- c. Clicking the 'Run button will open the 'Run Knowledge-Base' tab. From here you can run the selected Knowledge-Base.
- 3- To create a new Knowledge-Base, enter the name of the Knowledge-Base into this field and click the 'Create New' button.

Running a Knowledge-Base:

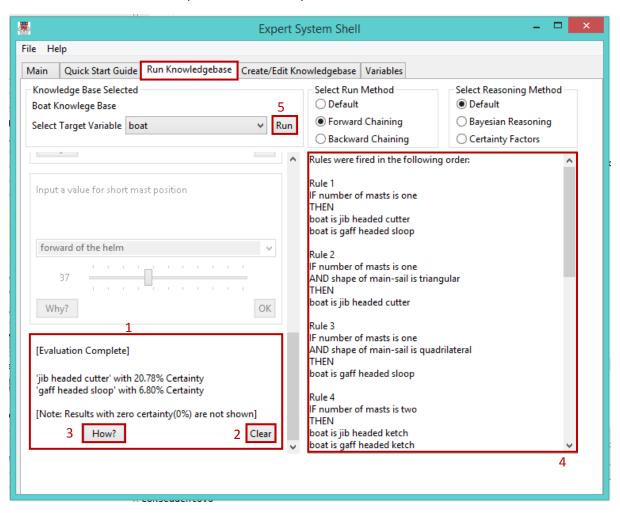
To run a Knowledge-Base click the open Knowledge-Base and select the Knowledge-Base you wish to run.

Once you have loaded the Knowledge-Base you will need to follow the following steps in the RUN tab



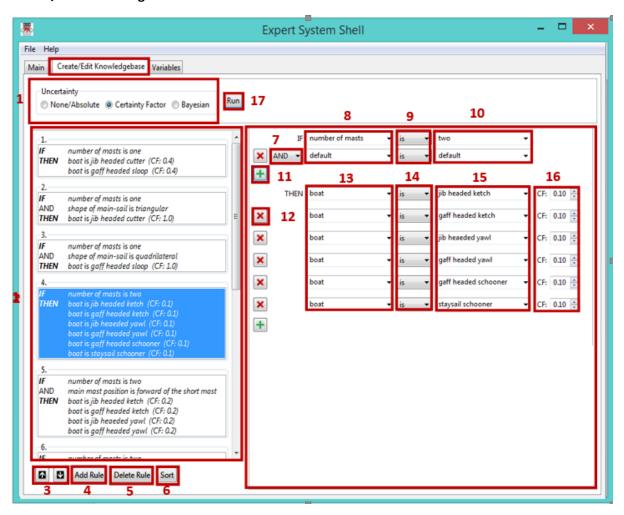
- Select a target variable from the drop down menu
- 2- Select a run method
- **3-** Select a reasoning method
- **4-** The question the program wants the answer to
- 5- Select a possible value for the answer to the current question
- **6-** If a certainty factor is required this slider will appear to set the value
- **7-** If this button is pushed it will display the rule it is trying to determine in section 8
- **8-** The current rule that the program is trying to solve
- **9-** Once all information is added click ok and the next rule will appear
- **10-** The stop button stops the program you cannot restart from where you stopped

When the evaluation has completed this is what you will be able to see.



- **1-** The results of the evalation will appear in the box
- **2-** The clear button will clear the current evaluation
- **3-** The how button will display the rules that were evaluated to come up with the results in 4
- 4- How the results were determined
- 5- The run button will re run the evaluation. It will also clear the current evaluation.

Create/Edit Knowledge-Base



- Choose an uncertainty method for this Knowledge-Base;
- Displays the list of rules within the Knowledge-Base – select rule to edit;
- Up and Down arrows allow the user to rearrange rules;
- **4.** Add a new rule with this button;
- 5. Delete a rule with this button;
- Sort the rules by "most specfic first" conflict resolution method;
- Select AND/OR depending on type of rule;
- 8. Select/create antecedent Variables;
- Select from numerous linguistic and numeric operators depending on rule type;

- 10. Select/create antecedent values;
- 11. Add new antecendent/consequent;
- 12. Delete antecendent/consequent;
- 13. Select/create consequent Variables;
- **14.** Select from numerous linguistic and numeric operators depending on rule type;
- 15. Select/create consequent values;
- **16.** Depending on uncertainty method chosen, either CF for Certainty Factors, LN/LS/Prior for Bayesian, or nothing for None/Absolute will appear. Fill in as required;
- **17.** Switch to Run Knowledge-Base Interface.