Application Front-End :
Some Framework

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2 Project requirements

2.1 The Application Operation

The application (executable)

$$\textbf{app.exe}, \tag{1}$$

the command file

$$\textbf{command}, \tag{2}$$

and data files

$$\textbf{data\_file\_1} \tag{3}$$
$$\textbf{data\_file\_2}$$

are available in **workdir**.

The command file **command** contains variable descriptions, variable values, data file names and output file names (text files and image files), as in the following example:

```
Description     Value

--------------------------------------------------------------------

application     app.exe
var_1           3.14
var_2           -0.5
file_A          data_file_1
file_B          data_file_2
report          results.csv
chart           graph.png
```

The application must start in command-line fashion with argument **command**:

> **app.exe command**

Once the application is done, the output files are produced:

results.csv

graph.png

2.2 Front-End

The desired front-end is an html page with following functionality:

- File **command** is displayed

- Both fields (description and values) are editable

- The "button RUN" initiates the application execution

  - File **command** is saved

  - The application starts as : **app.exe command**

  - Once application is done, files **results.csv** and **graph.png** are displayed on the html page

- Ready to change parameters and to run again.

3 Development Guide

to follow

4 User Guide

to follow

5 Examples

to follow (Aldrich, 1997)

6 References

Aldrich, J.

1997. R. a. fisher and the making of maximum likelihood $1912 - 1922$. *Statistical Science*, 12(3):162–176.