

# A Paper about Interesting Things<sup>1</sup>

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## **Abstract**

Here goes the abstract.

**JEL-Classification:** F10, F14.

**Keywords:** Important thing, interesting thing.

# 1 Introduction

To use this file, either use OVERLEAF or do the following (in the specified order!!!):

1. Install SUMATRAPDF which you can download here: <https://www.sumatrapdfreader.org/free-pdf-reader.html>
2. Install MIKTEX which you can download here: <https://miktex.org/>
3. Install MENDELEY or JABREF.
4. Install TEXNICCENTER which you can download here: <https://www.texniccenter.org/>.
5. In SumatraPDF, add this line in Settings>Options in SumatraPDF under “Set inverse search command-line”:

```
"C:\Program Files\TeXnicCenter\TeXnicCenter.exe" /ddecmd "[goto('%f','%l')]"
```

6. In TEXNICCENTER, under Build>Define Output profiles, add the code as shown in Figure 1, adjusting the program folders to your computer.

Note that the previous section introduces you to code which creates enumerated lists as well as to code which includes graphics. I have included a **png** file in Figure 1 as I included a screenshot, i.e., an image. If you want to include graphs created by your statistical software, please always use vector graphics (**pdf** or **eps** files), never images based on pixels. Vector graphs will never show pixels, so they will look nice and crisp when printed.

## 2 Some interesting stuff

The representative consumer’s life-time utility in country  $j$  is given by

$$U_{jt} = \sum_{t=0}^{\infty} \beta^t u_{jt}, \quad (1)$$

where per period utility  $u_{jt}$  is derived from consuming varieties which are differentiated by origin country as in Armington (1969):

$$u_{jt} = \left[ \sum_{i=1}^N a_i^{\frac{1-\sigma}{\sigma}} c_{ijt}^{\frac{\sigma-1}{\sigma}} \right]^{\frac{\sigma}{\sigma-1}}, \quad (2)$$

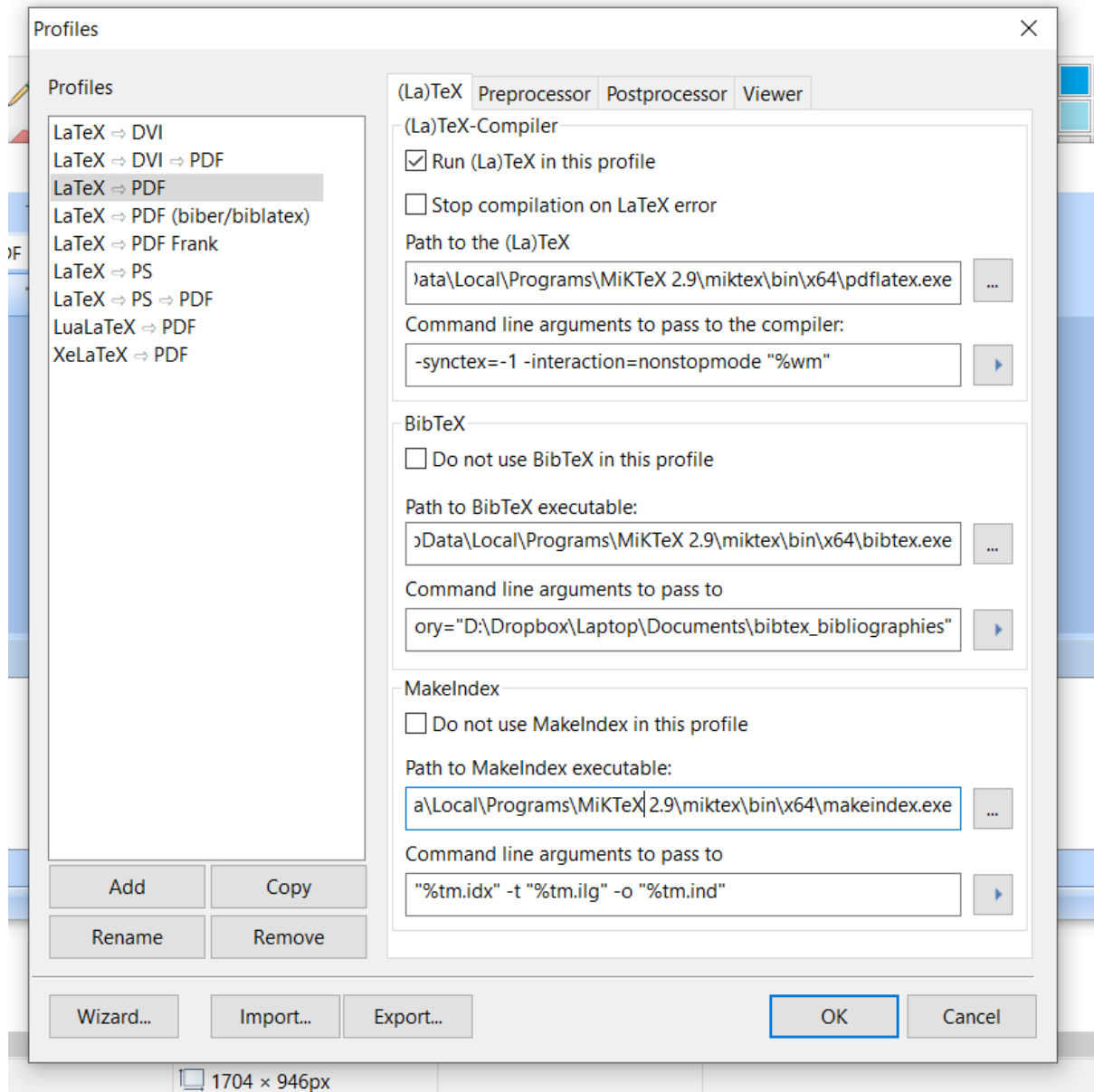


Figure 1: A screenshot

Table 1: Some caption

real wage change (%)	$\Delta A_{it}$	$\Delta d_{it}$	$\Delta A_{it}$ & $\Delta d_{it}$
Indonesia			
$t$	-1.6	-4.2	-5.7
$t + 1$	-0.8	-2.4	-3.2
$t + 2$	0.3	-0.0	0.3
$t + 3$	-0.1	-0.8	-0.9
cumulative effects <sup>a</sup>			
Indonesia	-2.13	-7.23	-9.21
Australia	-0.00	-0.00	-0.00
Papua New Guinea	-0.00	-0.02	-0.03
Philippines	-0.00	-0.00	-0.00

*Note:* <sup>a</sup> cumulative effects are calculated as the implied compound growth rate from  $t = 0$  to  $t = 3$  using the simulated per period growth rates.

where  $c_{ijt}$  is the amount of goods from country  $i$  country  $j$  consumes from  $i$  in period  $t$ .  $a_i$  is a preference parameter which measures the overall attractiveness of a good from a particular country.

You can see that I cite the paper by Armington written in 1969. However, I have not written Armington (1969) in the text, instead I write `\cite{Armington1969}`. Latex will look for `Armington1969` in `library.bib`. It will then automatically create the references and sort them in the correct way. Everything is automated so you can concentrate on the content, not on the formatting.

You probably do not want to create `library.bib` by hand. Use a reference management software such as MENDELEY or JABREF. These tools manage all your references and create `bib` files automatically.

I can refer to the above Equation by using its label (have a look in the tex file to see what I mean): Equation (1). Hence Latex takes care of numbering equations, nothing has to be done manually. This helps if you erase or add equations, the equation numbers will always be correct.

I can include other files into a Latex document which have been created by other software. This can be done for example with the output from `estout` from STATA. Table 1 (look into the tex file to realize that I used a label to refer to the table!) below is stored in the file `includedtable.tex` is included in this way:

### **3 Conclusion**

### **References**

Armington, P. S. (1969). A Theory of Demand for Products Distinguished by Place of Production. *Staff Papers - International Monetary Fund*, 16(1):159–178.

### **Appendix**

#### **A.1 Some more stuff**

All work and no play makes Jack a dull boy...