HDR Seminar: Automation
How to get more out of your computer?

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Why?

- ▶ Computer is not about calculation anymore.
- ▶ It stores data, our work, our lives...
- ▶ So we need to have a better relationship with our computers.
- ▶ So what is under every good relationship?

Why?

- Computer is not about calculation anymore.
- It stores data, our work, our lives...
- So we need to have a better relationship with our computers.
- So what is under every good relationship?
- Communication.
- Computer is getting smarter, but still not smart enough to understand our every wishes.
- We need to be able to speak their languages.

To convince you that …

- little programming knowledge can go a long way to automate mundane tasks;
- programming is not difficult;
- it is worth investing your time.

Step-by-step

- Algorithm. Step-by-step instructions.
- Semantic vs. syntactic.
- Five basic elements in learning most programming languages (certainly all high level ones).

It is 'cheap'

- A lot of programming languages are 'free'. Python, C, C++, even on Windows!
- Most specialised software come with their own scripting languages, even SPSS, Word and EXCEL (VBA).
- These languages provide the five elements as foundation. Once you understand these elements, then it is just a matter of learning the syntax.