



Introduction to LaTeX

Fall 2018
Aix-Marseille School of Economics

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Mini-Course Description: \LaTeX is a high-quality typesetting system; it includes features designed for the production of technical and scientific documentation. \LaTeX is the de facto standard for the communication and publication of scientific documents. This course will get you writing LaTeX right away. The course is structured as follows:

- **Part 1:** basics of an article type document
- **Part 2:** figures, tables and bibliography
- **Part 3:** presentations and other softwares

Prerequisite: An internet-connected computer with an up-to-date implementation of \LaTeX . Use MiKTeX for Windows (<http://www.tug.org/protext/>) or MacTeX for Mac (<http://tug.org/mactex/>). TeXStudio (<http://www.texstudio.org/>) editor will be used for typesetting, but you can choose any editor.

Personally, I recommend TeXStudio as an editor, which comes as the suggested editor after installing MiKTeX. It has a simple interface and shortcuts, but still leaves lot of room for customization.

The material of the class will be regularly updated on the following URL: <https://ugobollettaresearch.com/cv/teaching/>

Mini-Course Outline: The course will cover three parts 2 hours each.

	Content
Part 1 - 02/10	<ul style="list-style-type: none">• A First Look• Using \LaTeX Packages• Typesetting Equations• Structured Documents• Sections, Labels and Cross-References
Part 2 - 09/10	<ul style="list-style-type: none">• Figures and Tables in \LaTeX• Bibliographies using BibTeX• Useful \LaTeX Packages and Online Resources
Part 3 - 16/10	<ul style="list-style-type: none">• \LaTeX Presentations with Beamer• Interaction with Softwares (Stata, Mathematica, ...)