Università degli Studi di Pavia

Deep Learning

L00– Apropos Colab

it's zero-zero :)

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This presentation can be downloaded at:
http://vision.unipv.it/DL

This is just a reminder:
see the video for further explanation

colab from Google

https://colab.research.google.com/

- What is it

  An online (simplified) programming environment

  Based on Python and Jupyter

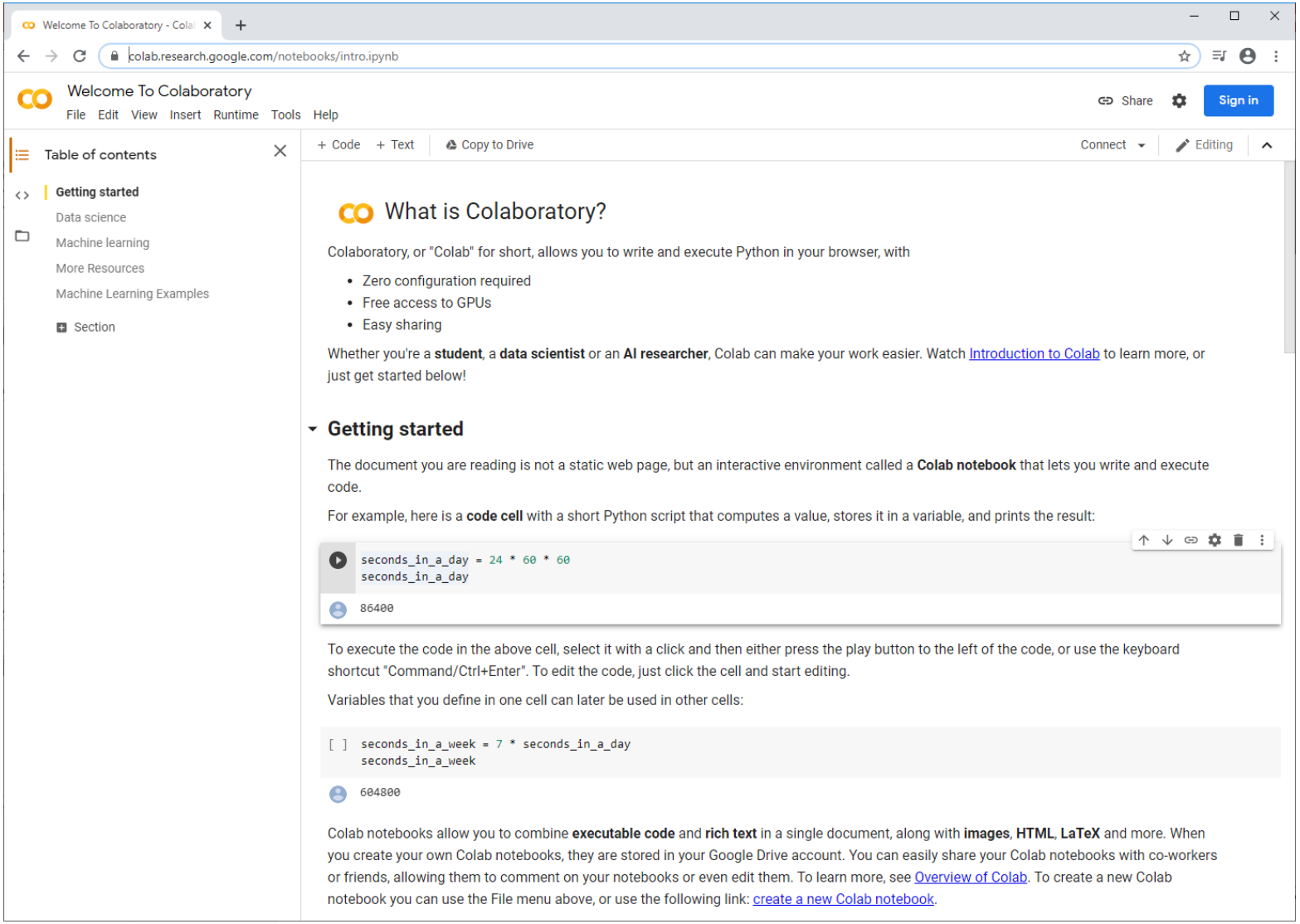
  Web-only interface (you need just gmail account and a browser)

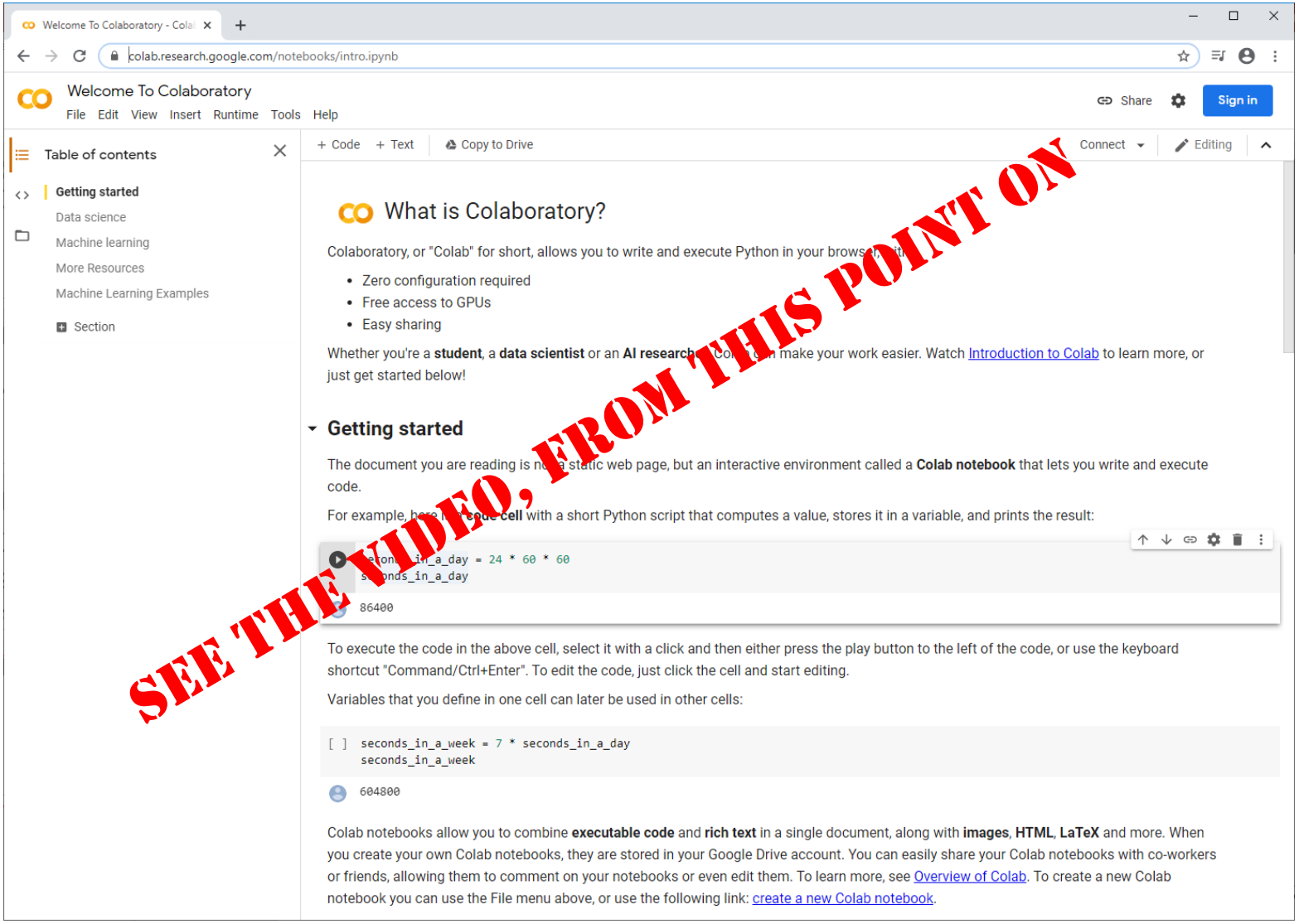
  Pros

  - Any setup required is either available right away or feasible with little effort
  - State-of-art hardware available for free
  - Fully integrated with Google Drive and git repositories (e.g. GitHub)

  Cons

  - It is not a complete programming environment (i.e. no editor, debugger, inspector)
  - If you need one, you need to set it up for yourself (on a device of yours)


Welcome To Colaboratory - Cola
colab.research.google.com/notebooks/intro.ipynb
Welcome To Colaboratory
File Edit View Insert Runtime Tools Help
Share
Sign in
Table of contents
Getting started
Data science
Machine learning
More Resources
Machine Learning Examples
Section
+ Code + Text
Copy to Drive
Connect
Editing
What is Colaboratory?
Colaboratory, or "Colab" for short, allows you to write and execute Python in your browser, with
Zero configuration required
Free access to GPUs
Easy sharing
Whether you're a student, a data scientist or an AI researcher, Colab can make your work easier. Watch Introduction to Colab to learn more, or just get started below!
Getting started
The document you are reading is not a static web page, but an interactive environment called a Colab notebook that lets you write and execute code.
For example, here is a code cell with a short Python script that computes a value, stores it in a variable, and prints the result:
seconds_in_a_day = 24 * 60 * 60
seconds_in_a_day
86400
To execute the code in the above cell, select it with a click and then either press the play button to the left of the code, or use the keyboard shortcut "Command/Ctrl+Enter". To edit the code, just click the cell and start editing.
Variables that you define in one cell can later be used in other cells:
[ ] seconds_in_a_week = 7 * seconds_in_a_day
seconds_in_a_week
604800
Colab notebooks allow you to combine executable code and rich text in a single document, along with images, HTML, LaTeX and more. When you create your own Colab notebooks, they are stored in your Google Drive account. You can easily share your Colab notebooks with co-workers or friends, allowing them to comment on your notebooks or even edit them. To learn more, see Overview of Colab. To create a new Colab notebook you can use the File menu above, or use the following link: create a new Colab notebook.



SEE THE VIDEO, FROM THIS POINT ON