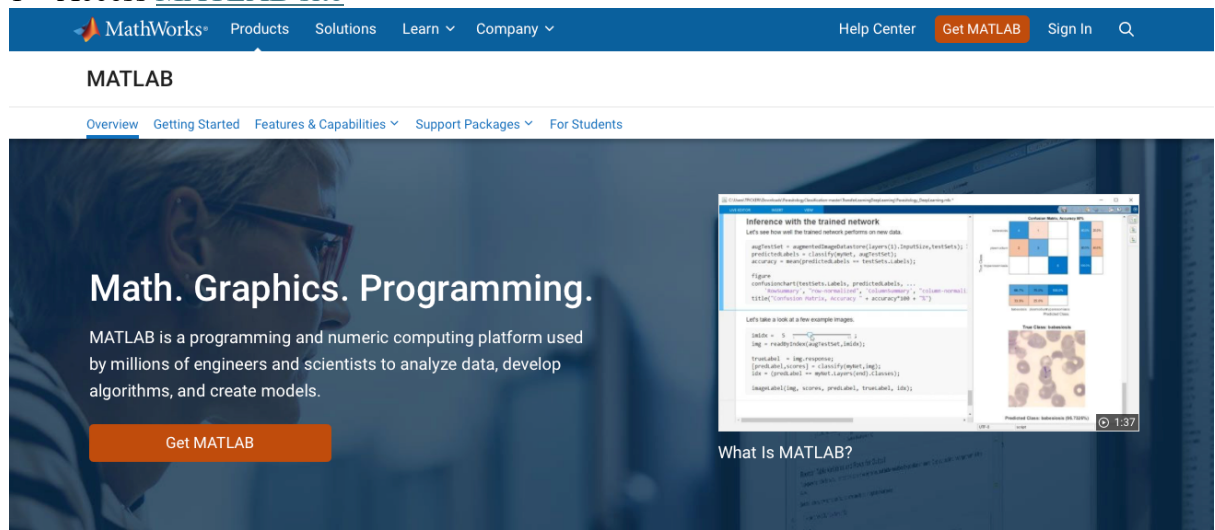


MATLAB:

1- Access [MATLAB site](https://www.mathworks.com)



The screenshot shows the MATLAB website homepage. At the top is a dark blue navigation bar with the MathWorks logo and links for Products, Solutions, Learn, Company, Help Center, Get MATLAB, Sign In, and a search icon. Below the navigation bar is a white banner with the MATLAB logo. Underneath is a blue banner with the text "Math. Graphics. Programming." and a description of MATLAB as a programming and numeric computing platform. A "Get MATLAB" button is visible. To the right, there is a video player showing a MATLAB interface with code and a figure.

Designed for the way you think and the work you do.

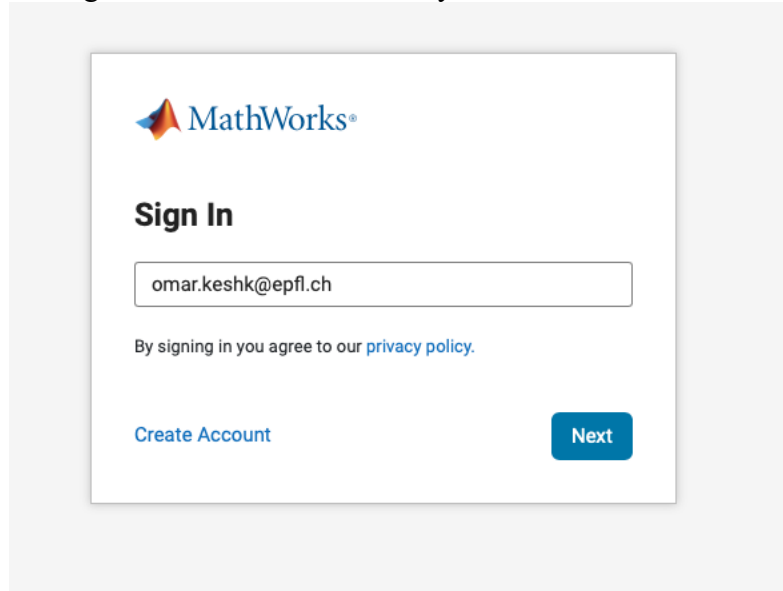
MATLAB combines a desktop environment tuned for iterative analysis and design processes with a programming language that expresses matrix and array mathematics directly. It includes the Live Editor for creating scripts that combine code, output, and

Professionally Built

MATLAB toolboxes are professionally developed, rigorously tested, and fully documented.

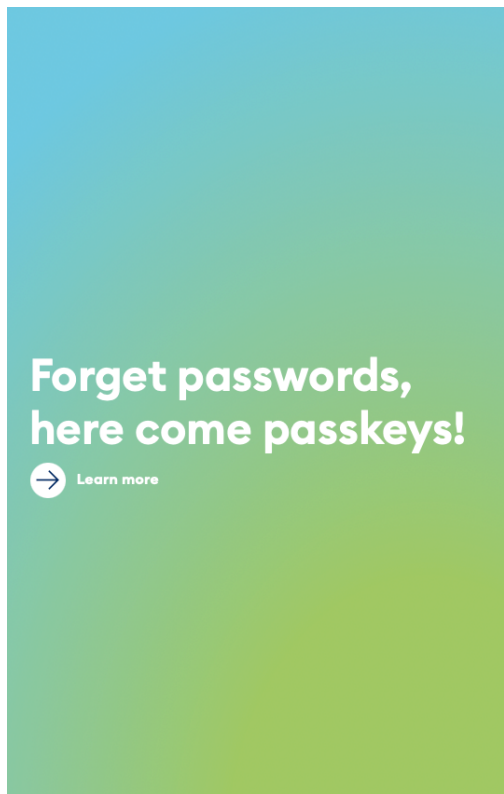
With Interactive Apps

2- Sign in. You will need to use your EPFL email.



The screenshot shows the MATLAB Sign In page. It features the MathWorks logo at the top. Below it is the "Sign In" heading. A text input field contains the email address "omar.keshk@epfl.ch". Below the input field is a link to the "privacy policy". At the bottom, there are two buttons: "Create Account" and "Next".

3- You will be redirected to another login page; use the EPFL credentials.



Switch **edu-ID**

Help EN

Create Account

Login

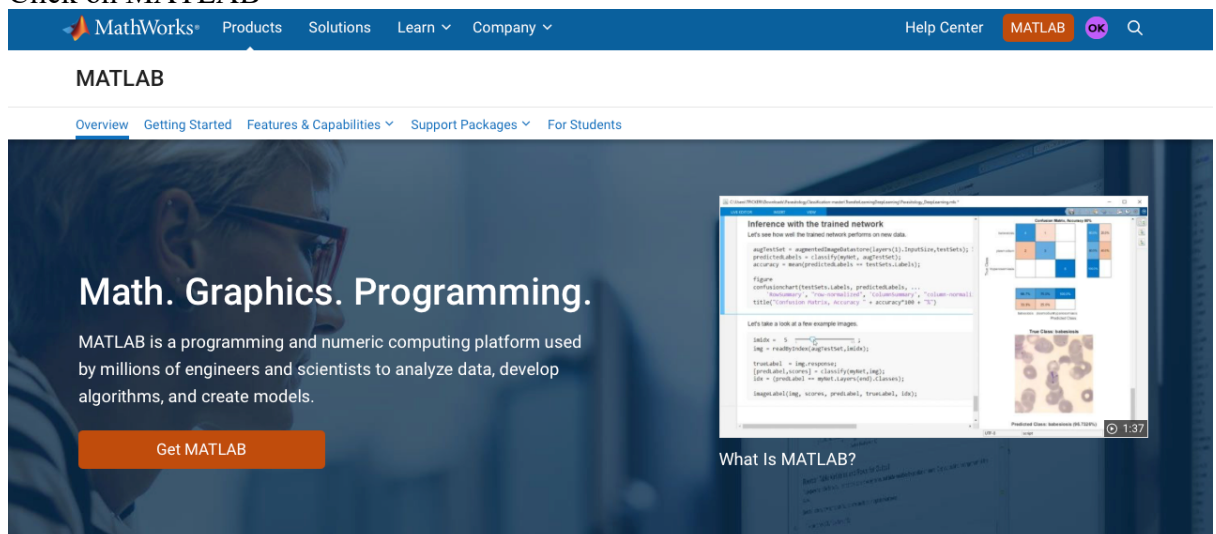
E-mail
omar.keshk@epfl.ch

Password
Enter your password

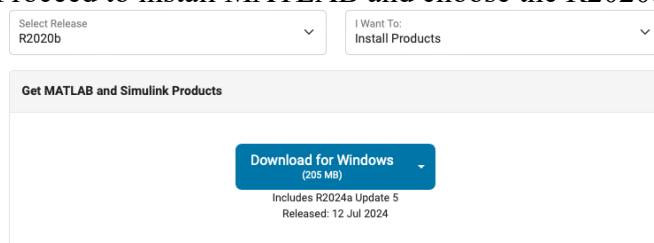
Forgot password?

Login

4- Click on MATLAB



5- Proceed to install MATLAB and choose the R2020b version.



6- Follow the normal procedure and make sure you don't download the **Text Analytics Toolbox** when installing MATLAB.

IBM ILOG CPLEX:

- 1- Access the [IBM website](#) and register for an academic account.



Enter your academic institution issued email to begin

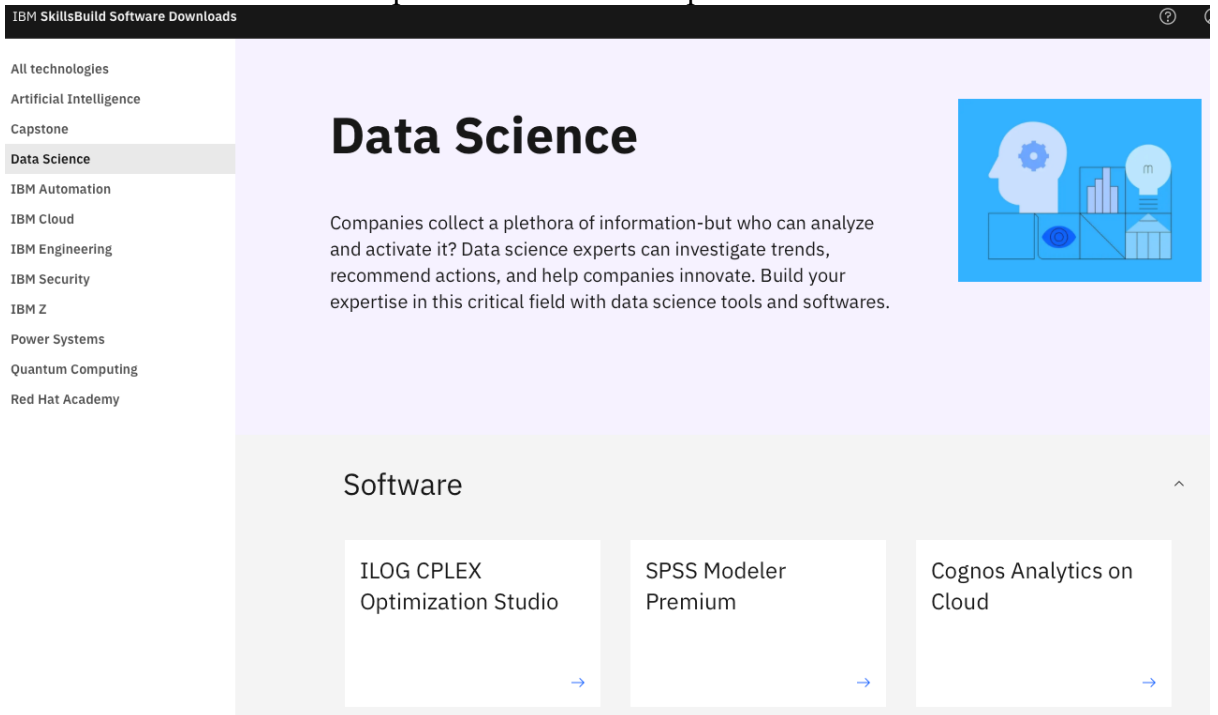
Only the students and faculty of participating academic institutions are eligible to access this website. Please enter your academic institution issued email below to register.

Your academic institution issued email

Find answers in our [frequently asked questions](#)

Submit

- 2- After finishing registration, you will be redirected to the [products site](#). Choose Data Science then ILOG CPLEX Optimization studio and press download.



IBM SkillsBuild Software Downloads

- All technologies
- Artificial Intelligence
- Capstone
- Data Science**
- IBM Automation
- IBM Cloud
- IBM Engineering
- IBM Security
- IBM Z
- Power Systems
- Quantum Computing
- Red Hat Academy

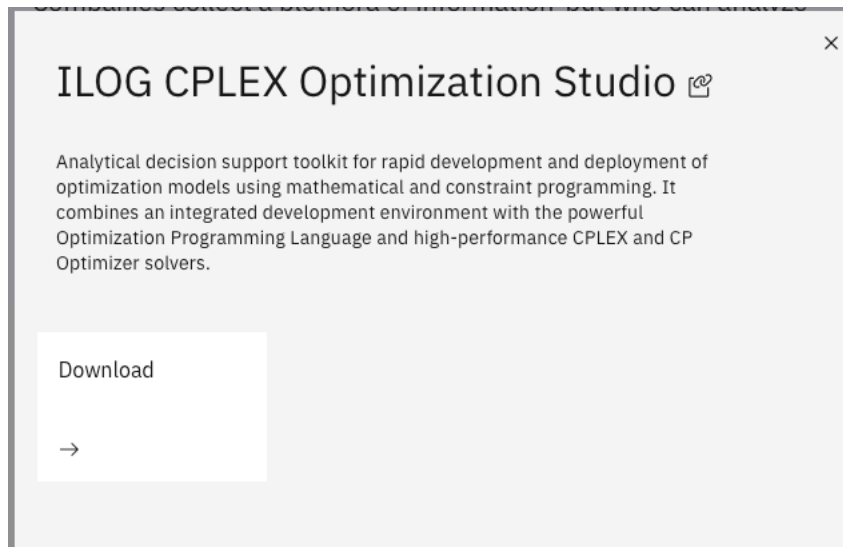
Data Science

Companies collect a plethora of information-but who can analyze and activate it? Data science experts can investigate trends, recommend actions, and help companies innovate. Build your expertise in this critical field with data science tools and softwares.



Software

- ILOG CPLEX Optimization Studio →
- SPSS Modeler Premium →
- Cognos Analytics on Cloud →



You will be redirected to the [software download site](#). Type CJ6BPML in the part numbers field and choose HTTP then click search.

Search options

Text

Brand

Part number

Find by part number

Part numbers

CJ6BPML

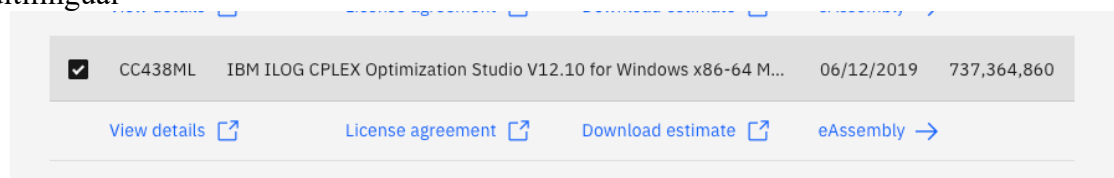
Enter single or multiple part numbers (separated by commas) and click Search. Example: CRPQ4EN, C47EHML.

[Download method](#) ⓘ

☐ Download Director ☒ HTTP

Search

- 3- choose “IBM ILOG CPLEX Optimization Studio V12.10 for Windows x86-64 Multilingual”



- 4- Follow the installation instructions.

matTFA:

```
git clone https://github.com/EPFL-LCSB/matTFA.git
```

Adding paths in MATLAB:

First open MATLAB

Edit startup.m

Then Type this in the startup file

```
addpath(genpath('PathToYourCPLEX'))
```

```
addpath(genpath('PathToYourmatTFA'))
```

```
changeCobraSolver('cplexlp','LP')
```