

Aula de Inteligencia Artificial

Instalación en casa



GOBIERNO
DE ESPAÑA

MINISTERIO
DE EDUCACIÓN, CULTURA
Y DEPORTE



GOBIERNO
DE ESPAÑA

MINISTERIO
DE ECONOMÍA
Y COMPETITIVIDAD



FECYT
FUNDACIÓN ESPAÑOLA
PARA LA CIENCIA
Y LA TECNOLOGÍA

CAMPUS
CIENTÍFICOS
DE VERANO 2012

Con la colaboración de
 Obra Social "la Caixa"

UNIVERSIDAD DE LAS PALMAS
DE GRAN CANARIA

Herramientas

- Instalar *Anaconda*

<https://www.anaconda.com/distribution/#download-section>

En el laboratorio hemos trabajado con la versión 2019 para *Windows y Python 3.7*



Windows



macOS



Linux

Anaconda 2019.03 for macOS Installer

Python 3.7 version

Download

64-Bit Graphical Installer (637 MB)

64-Bit Command Line Installer (542 MB)

Python 2.7 version

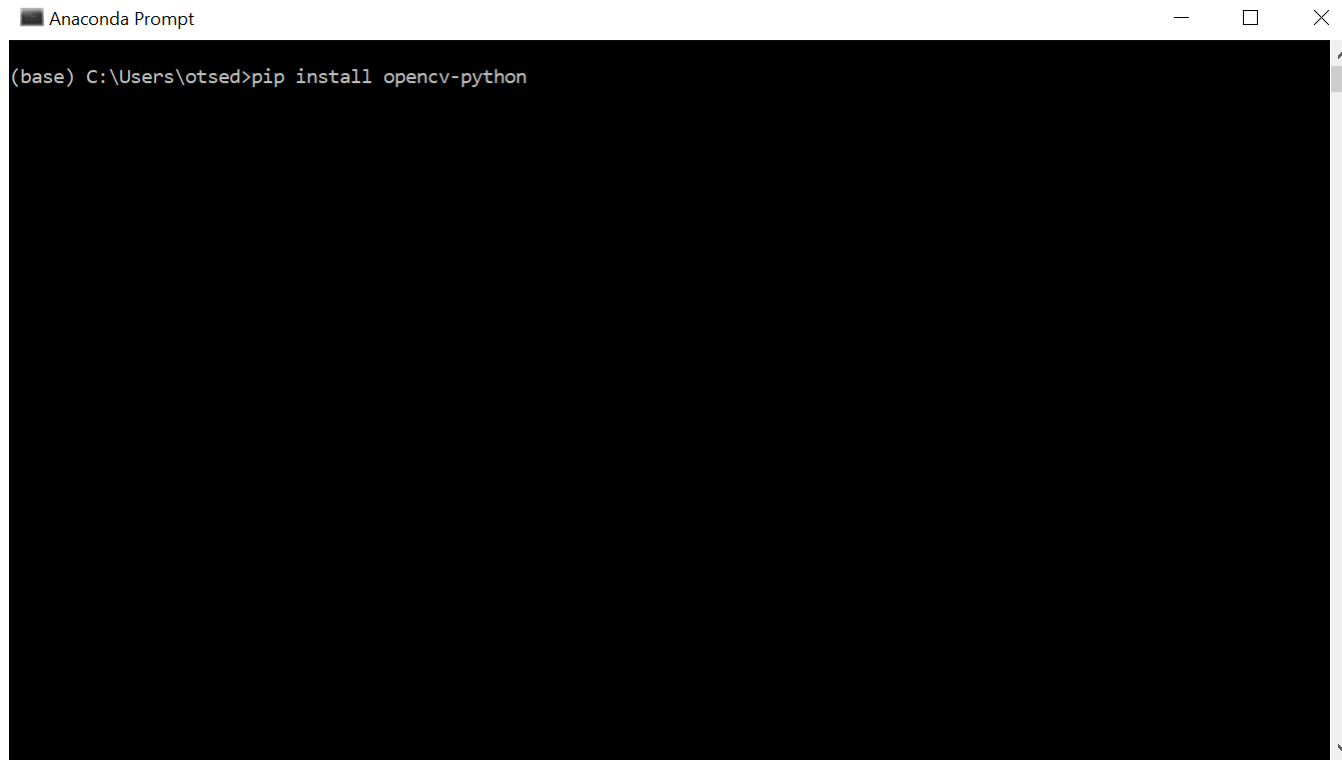
Download

64-Bit Graphical Installer (624 MB)

64-Bit Command Line Installer (530 MB)

Herramientas

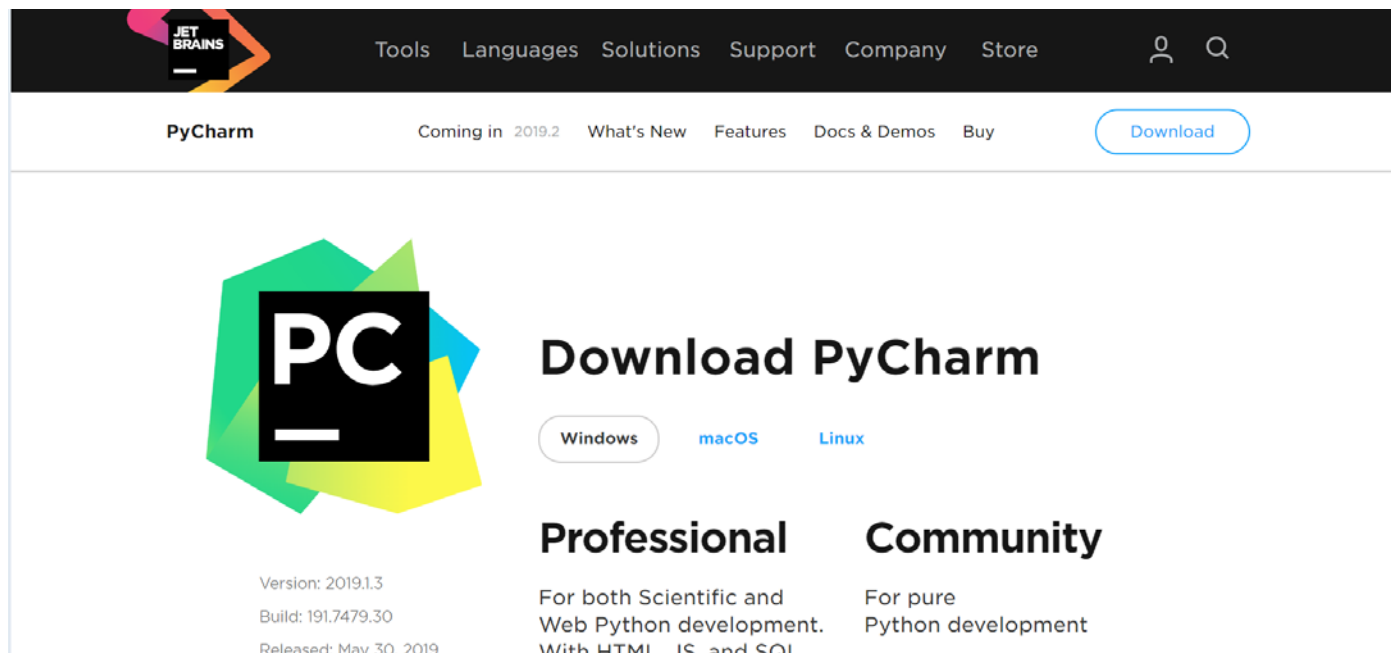
- Abrir el programa *Anaconda Prompt* e instalar *OpenCV*
pip install opencv-python



The image shows a screenshot of the Anaconda Prompt terminal window. The window title bar at the top reads "Anaconda Prompt" and includes standard Windows window controls (minimize, maximize, close). The terminal content shows the command prompt "(base) C:\Users\otsed>" followed by the command "pip install opencv-python". The rest of the terminal area is black, indicating that the command has been executed and the output is not visible in this view.


Herramientas

- Descargar PyCharm
www.jetbrains.com/pycharm/download
- Instalar



The screenshot shows the PyCharm download page. At the top is a dark navigation bar with the JetBrains logo and links for Tools, Languages, Solutions, Support, Company, and Store. Below this is a secondary navigation bar with 'PyCharm', 'Coming in 2019.2', 'What's New', 'Features', 'Docs & Demos', 'Buy', and a 'Download' button. The main content area features the PyCharm logo (a green and yellow hexagon with 'PC' and a minus sign) on the left. To the right of the logo, the text 'Download PyCharm' is displayed, followed by three buttons: 'Windows' (selected), 'macOS', and 'Linux'. Below the logo, version information is listed: 'Version: 2019.1.3', 'Build: 191.7479.30', and 'Released: May 30, 2019'. To the right of the version information, there are two columns: 'Professional' and 'Community'. The 'Professional' column describes it as 'For both Scientific and Web Python development. With HTML, JS, and SQL.' The 'Community' column describes it as 'For pure Python development'.

PyCharm Coming in 2019.2 What's New Features Docs & Demos Buy [Download](#)



Download PyCharm

[Windows](#) [macOS](#) [Linux](#)

Version: 2019.1.3
Build: 191.7479.30
Released: May 30, 2019

Professional

For both Scientific and Web Python development. With HTML, JS, and SQL.

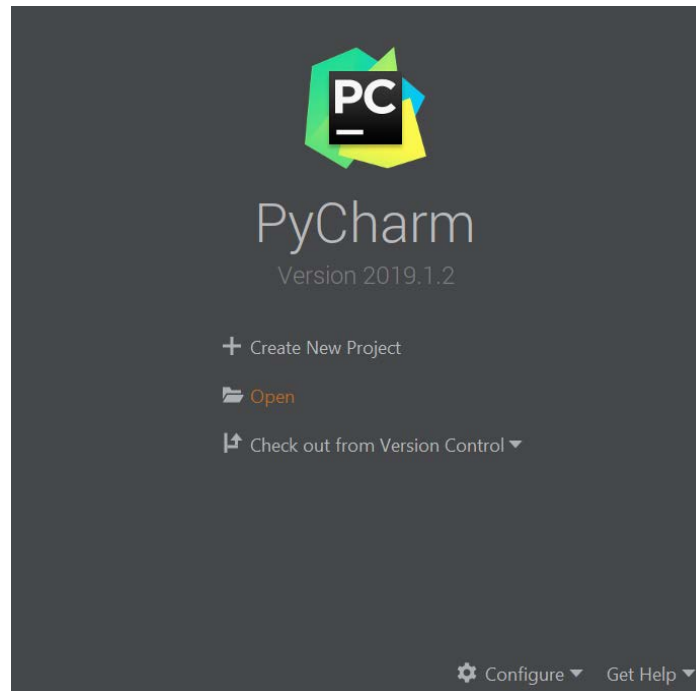
Community

For pure Python development

Herramientas

- Configurar PyCharm con anaconda

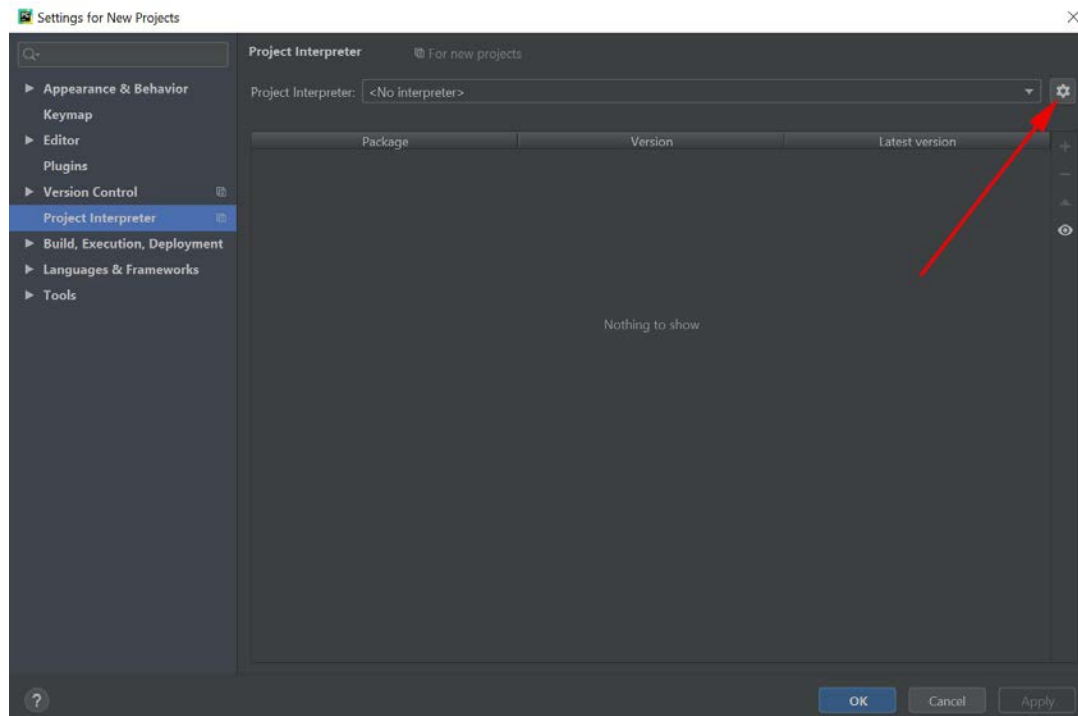
Seleccionar *Configure->Settings->Project Interpreter*



Herramientas

- Configurar PyCharm con anaconda

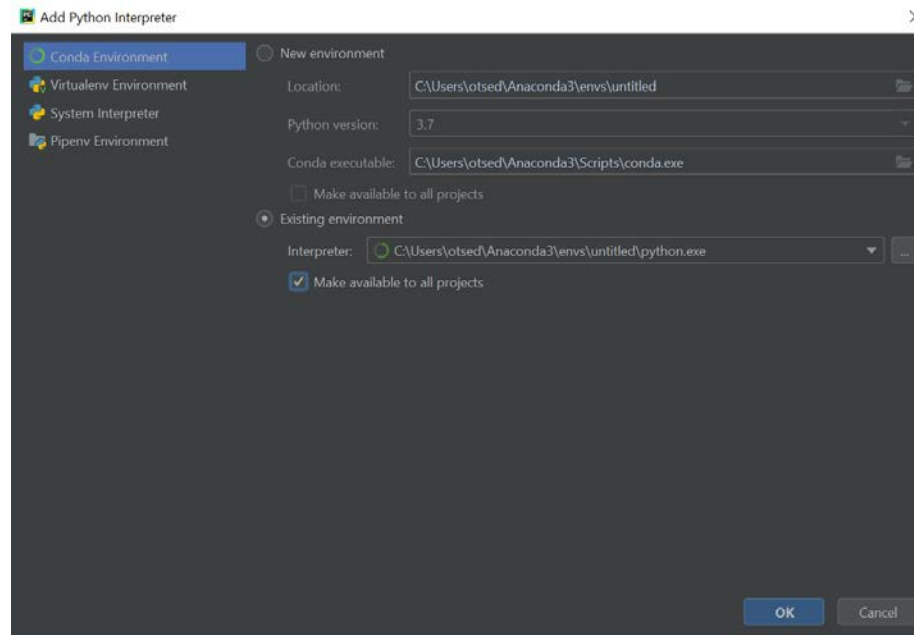
Picar el el botón y escoger *Add*



Herramientas

- Configurar PyCharm con anaconda

En la siguiente ventana normalmente basta con escoger *Existing interpreter* y marcar *Make available to all projects*



Herramientas

- Configurar PyCharm con anaconda

Abrir un proyecto y probar a ejecutar alguno de los programas

Herramientas

- Extras para usar ejemplos con dlib
 - Descargar e instalar [cmake](#) y un compilador de C (p.e. [Community](#))
 - Desde *Anaconda Prompt*
pip install numpy scipy matplotlib scikit-learn jupyter
pip install opencv-contrib-Python
Pip install imutils
pip install dlib

