

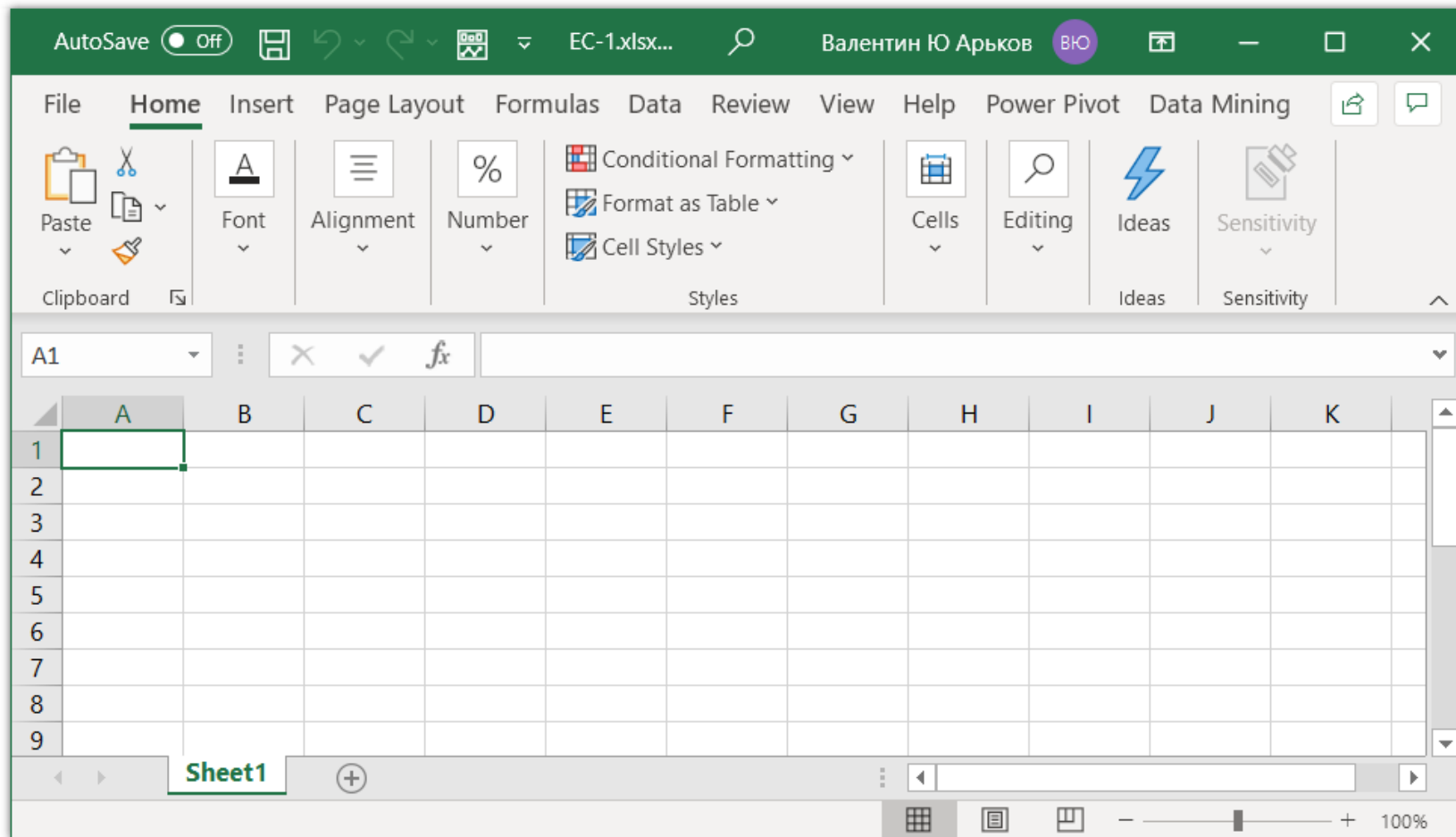
Эконометрика

Инструменты

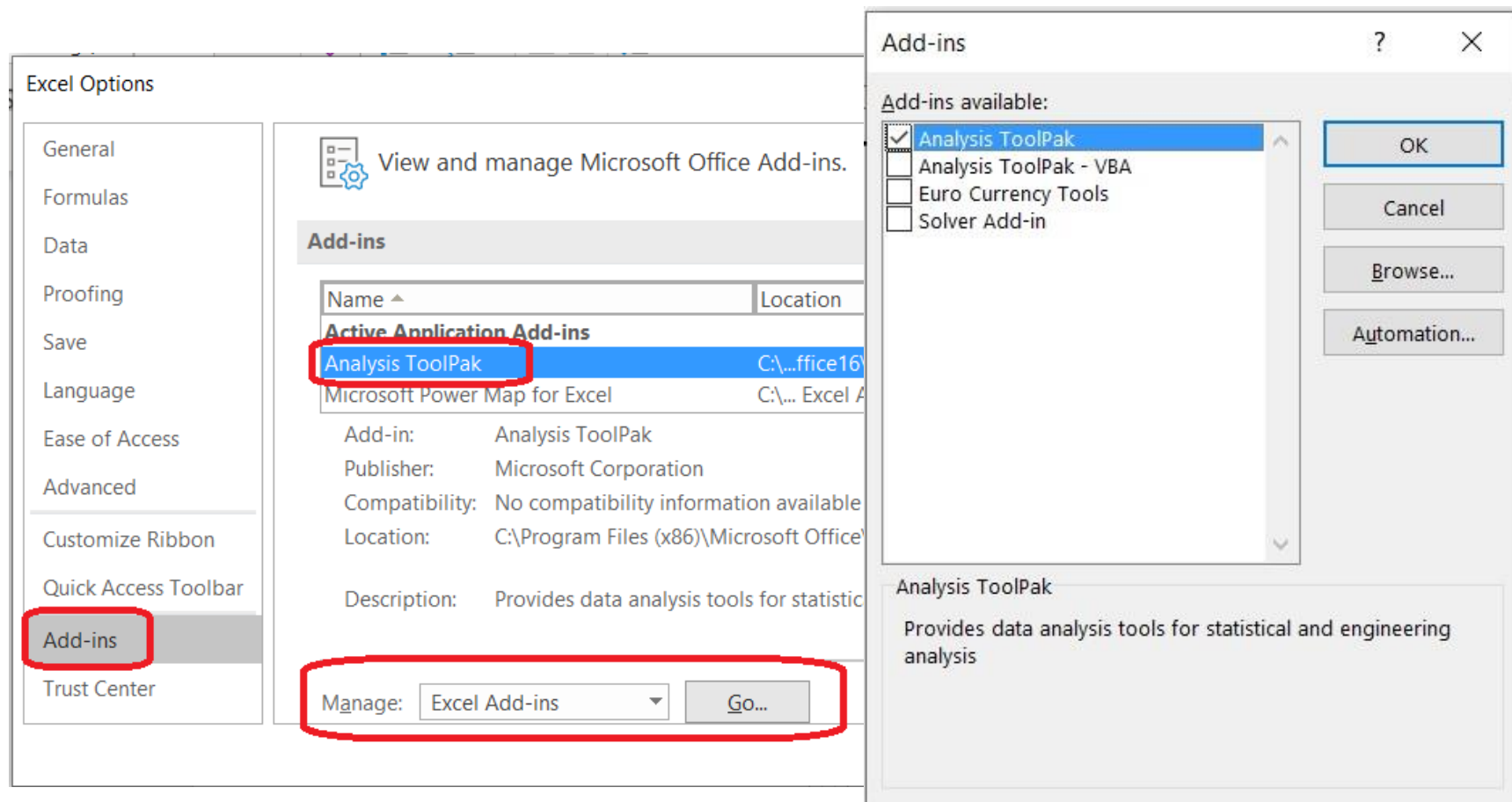
Инструменты

- Электронные таблицы
 - Excel, Libre Office Calc, Google Sheets, Я.Таблицы...
- Языки программирования
 - Python, R, Matlab ...
- Специализированные приложения
 - Minitab, SAS, Eviews ...
- Версии
 - Настольные, облачные, мобильные

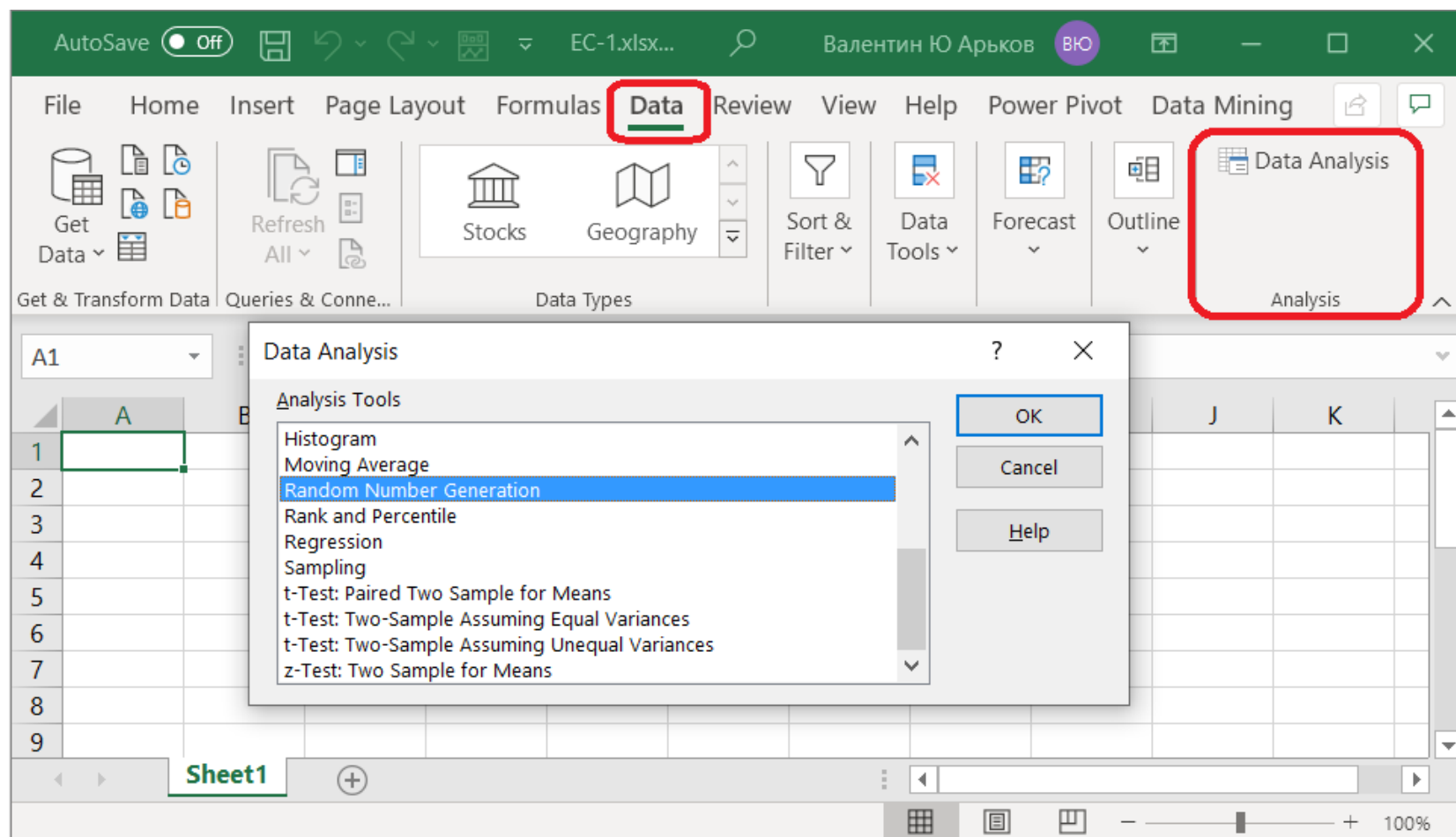
MS Excel



File – Options – Add-ins – Excel Add-ins – Go – Analysis ToolPak



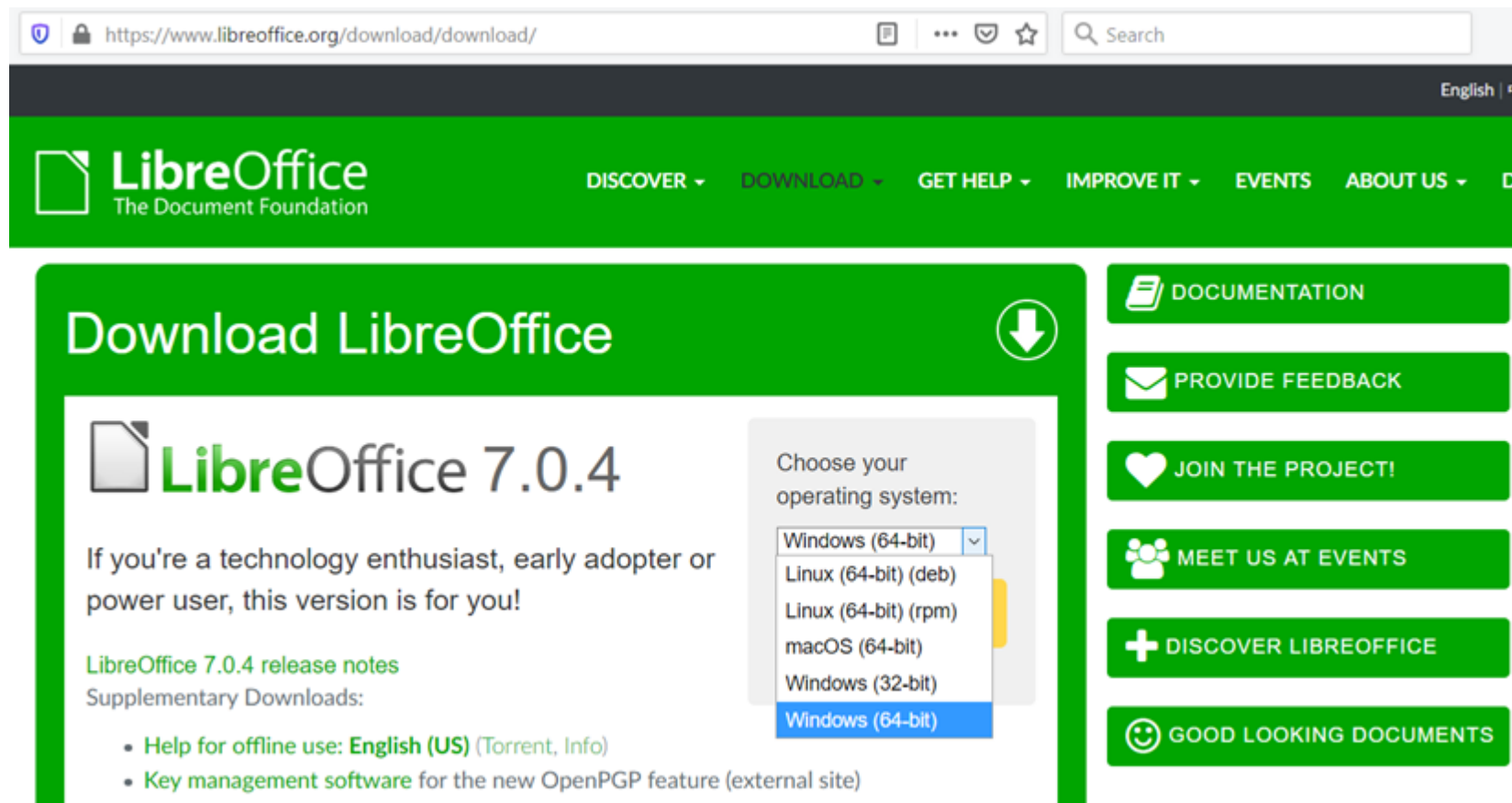
Data – Analysis – Data Analysis



Анализ данных в Excel

- Включить надстройку «Анализ данных»
- Запустить надстройку
- Выбрать регрессию
- Указать исходные данные
- Изучить результаты

Libre Office



The screenshot shows the LibreOffice download page in a web browser. The address bar displays the URL <https://www.libreoffice.org/download/download/>. The page features a green header with the LibreOffice logo and navigation links: DISCOVER, DOWNLOAD, GET HELP, IMPROVE IT, EVENTS, and ABOUT US. The main content area is titled "Download LibreOffice" and features a large green button with a download icon. Below this, the LibreOffice 7.0.4 logo is displayed, followed by a text block stating: "If you're a technology enthusiast, early adopter or power user, this version is for you!". To the right of this text is a dropdown menu for selecting the operating system, with "Windows (64-bit)" selected. Below the dropdown, there are links for "LibreOffice 7.0.4 release notes" and "Supplementary Downloads:". The right sidebar contains five green buttons: DOCUMENTATION, PROVIDE FEEDBACK, JOIN THE PROJECT!, MEET US AT EVENTS, and DISCOVER LIBREOFFICE, followed by a button for GOOD LOOKING DOCUMENTS.

https://www.libreoffice.org/download/download/


English | 中

LibreOffice
The Document Foundation

DISCOVER ▾ DOWNLOAD ▾ GET HELP ▾ IMPROVE IT ▾ EVENTS ABOUT US ▾ DO

Download LibreOffice

↓

 **LibreOffice 7.0.4**

If you're a technology enthusiast, early adopter or power user, this version is for you!

[LibreOffice 7.0.4 release notes](#)

Supplementary Downloads:

- [Help for offline use: English \(US\) \(Torrent, Info\)](#)
- [Key management software for the new OpenPGP feature \(external site\)](#)

Choose your operating system:

- Windows (64-bit) ▾
- Linux (64-bit) (deb)
- Linux (64-bit) (rpm)
- macOS (64-bit)
- Windows (32-bit)
- Windows (64-bit)

DOCUMENTATION

PROVIDE FEEDBACK

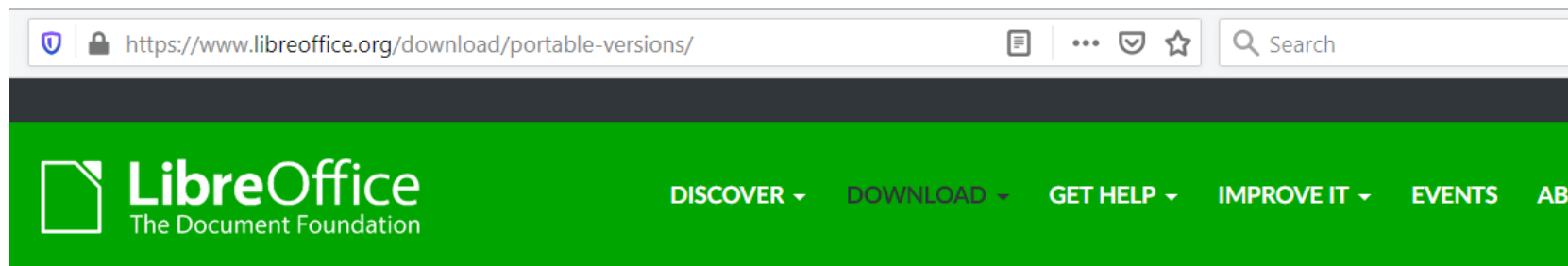
JOIN THE PROJECT!

MEET US AT EVENTS

+ DISCOVER LIBREOFFICE

GOOD LOOKING DOCUMENTS

Libre Office Portable

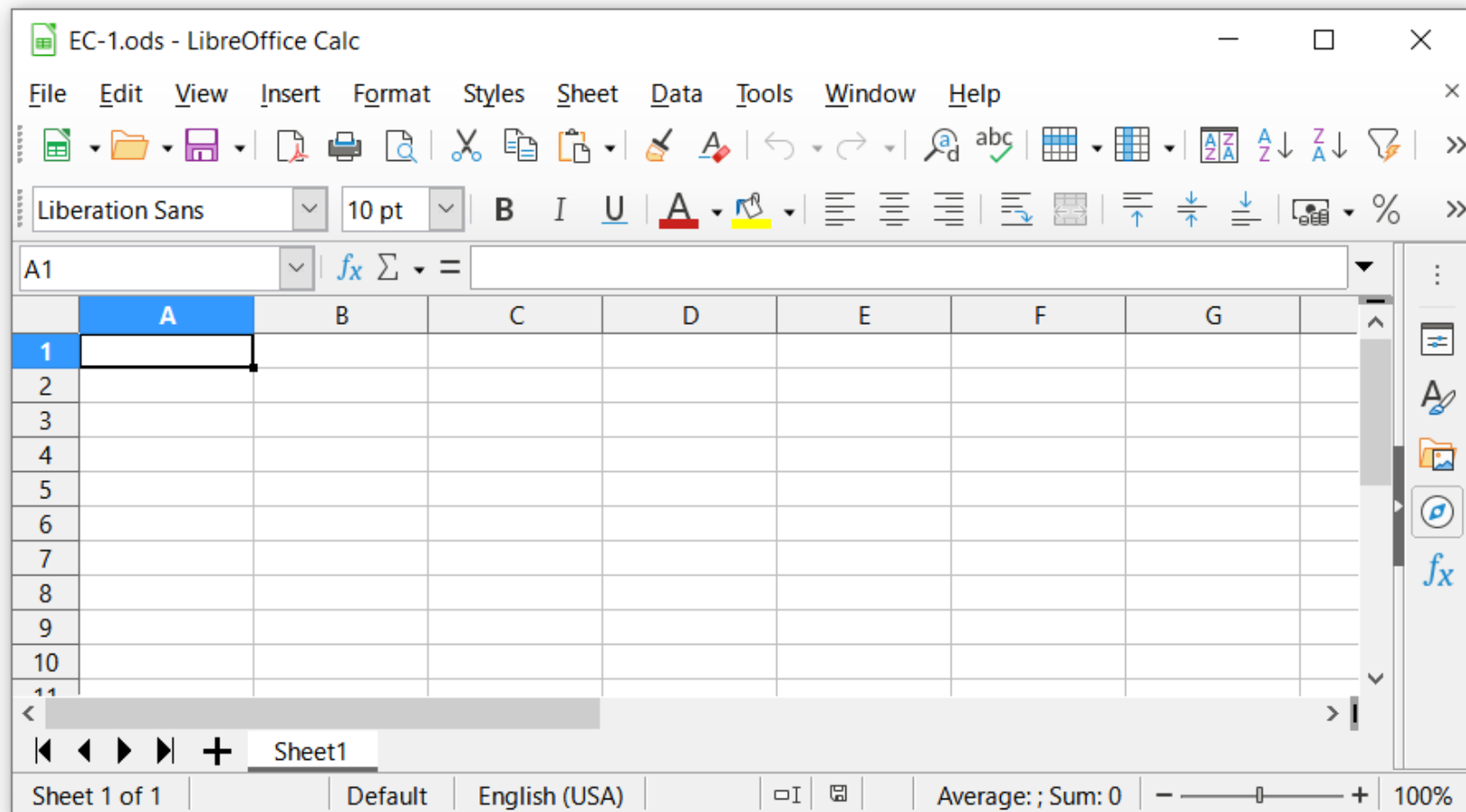


Portable versions LibreOffice Portable

LibreOffice Portable is a full-featured portable version of LibreOffice for Windows – including a word processor, spreadsheet, presentation tool, drawing package and database – packaged as a **portable app**, so you can take all your documents and everything you need to work with them wherever you go. It is packaged in **PortableApps.com format** so it can work with the **PortableApps.com platform** and its automatic updater and app store, work with other portable menus, or work by itself from a USB, cloud or local drive. And it is open source and completely free.

- [LibreOffice 7.0.4 Portable MultilingualStandard <--> LibreOffice 7.0.4 Portable MultilingualAll](#)
- [LibreOffice 6.4.7 Portable MultilingualStandard <--> LibreOffice 6.4.7 Portable MultilingualAll](#)

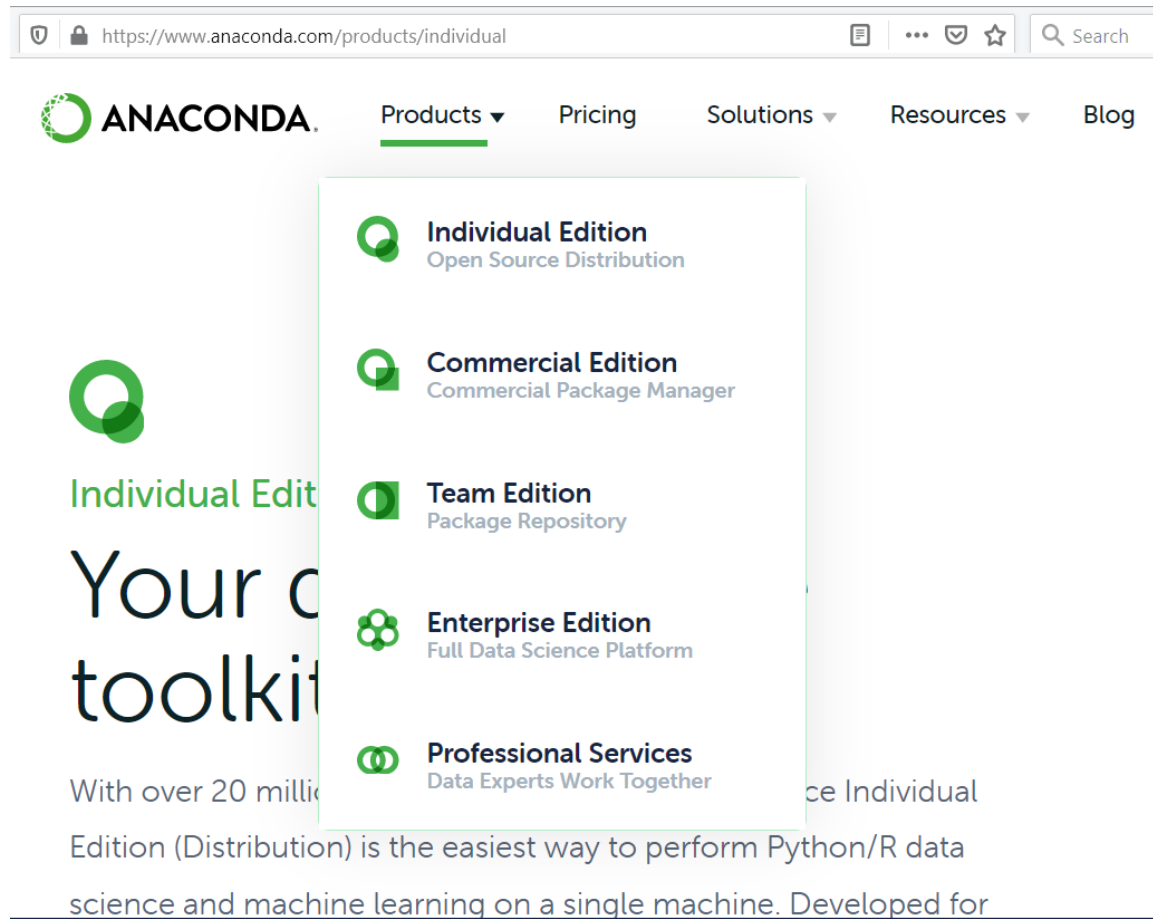
Libre Office Calc



Libre Office: установка / запуск






- Libre Office
 - Скачать Installer
 - Установить
 - Запустить
- Libre Office Portable
 - Скачать *.zip
 - Развернуть
 - Запустить

Anaconda



The screenshot shows the Anaconda website with the URL <https://www.anaconda.com/products/individual> in the browser address bar. The navigation bar includes the Anaconda logo, a "Products" dropdown menu, and links for "Pricing", "Solutions", "Resources", and "Blog". The "Products" dropdown menu is open, displaying five options: "Individual Edition" (Open Source Distribution), "Commercial Edition" (Commercial Package Manager), "Team Edition" (Package Repository), "Enterprise Edition" (Full Data Science Platform), and "Professional Services" (Data Experts Work Together). On the left side of the page, the text "Individual Edition" and "Your data toolkit" is visible. Below this, a paragraph states: "With over 20 million users, the Individual Edition (Distribution) is the easiest way to perform Python/R data science and machine learning on a single machine. Developed for".

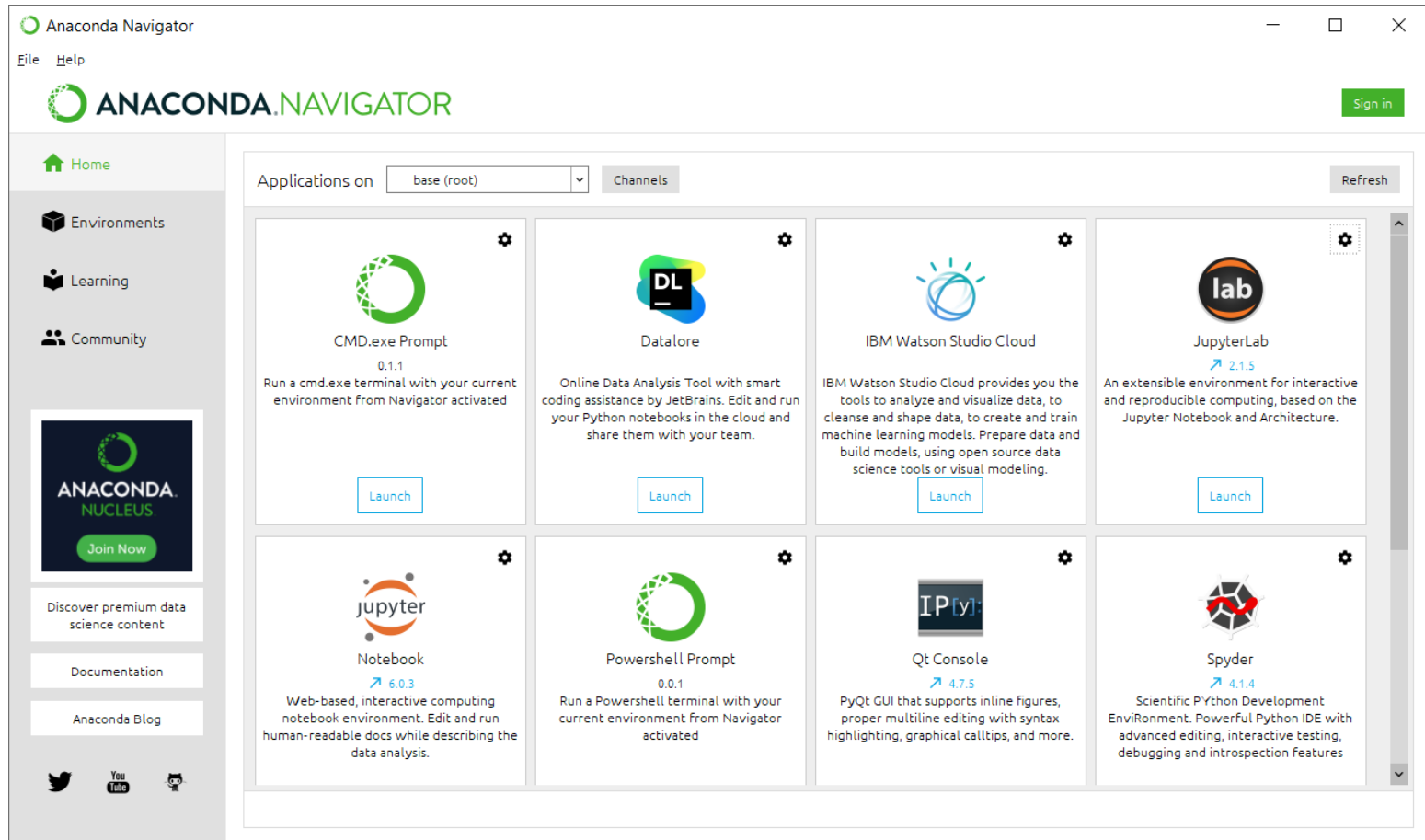
ANACONDA Products ▾ Pricing Solutions ▾ Resources ▾ Blog

-  **Individual Edition**
Open Source Distribution
-  **Commercial Edition**
Commercial Package Manager
-  **Team Edition**
Package Repository
-  **Enterprise Edition**
Full Data Science Platform
-  **Professional Services**
Data Experts Work Together

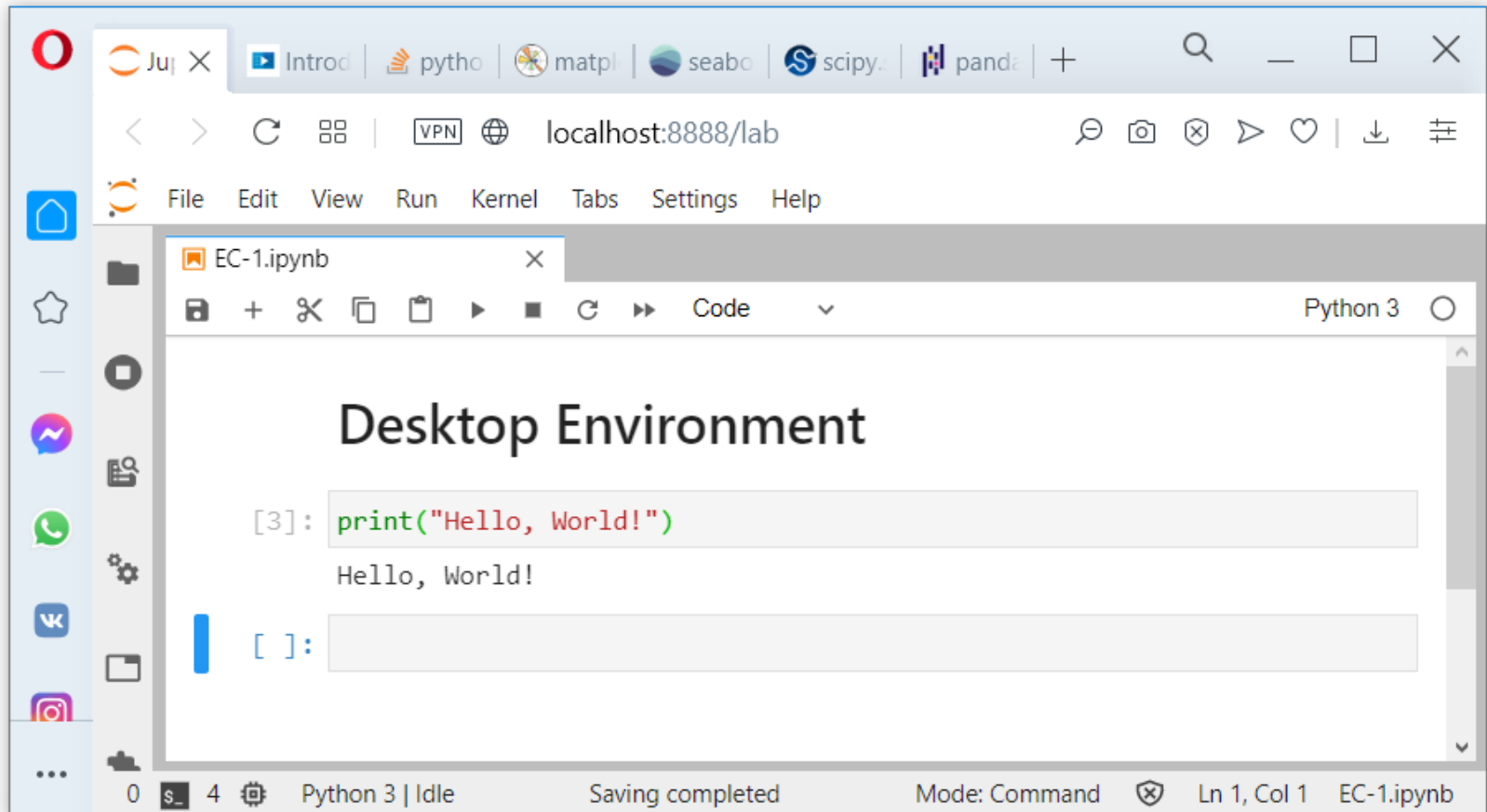
Individual Edition
Your data toolkit

With over 20 million users, the Individual Edition (Distribution) is the easiest way to perform Python/R data science and machine learning on a single machine. Developed for

Anaconda Navigator



Jupyter Lab



Анаконда: установка

- Википедия
 - Python
 - Project Jupyter (EN) + Colaboratory
 - Anaconda (дистрибутив Python)
- Anaconda Navigator
 - Скачать, установить, запустить
 - Запустить Jupyter Lab
- Создать новый блокнот
- Запустить программу “Hello, World”

Анаконда: Контейнер

- <https://hub.docker.com>
- docker-anaconda
- docker pull ...
- docker run -it ...
- Jupyter Notebook в браузере

Google Colaboratory

The screenshot displays the Google Colaboratory web interface in a browser. The address bar shows the URL <https://colab.research.google.com/>. The page title is "EC-1.ipynb". The top navigation bar includes "File", "Edit", "View", "Insert", "Runtime", "Tools", and "Help". On the right, there are buttons for "Comment", "Share", and a settings gear, along with a user profile icon. The left sidebar contains icons for a menu, search, code editor, and file explorer. The main workspace shows a Jupyter Notebook with a code cell containing the following Python code:

```
[3] print("Hello, World!")
```

The output of the code cell is "Hello, World!". Below the code cell is an empty output cell. The top right of the workspace shows RAM and Disk usage indicators, and a status bar indicating "Editing" mode.

Google Colab

- Учётная запись Google
- Открыть Колаб
 - <https://colab.research.google.com/>
- Создать новый блокнот
- Запустить программу “Hello, World”