

Manual of Key Generator and Analyzer

Nikola Grubecka
Aleksandra Gargas

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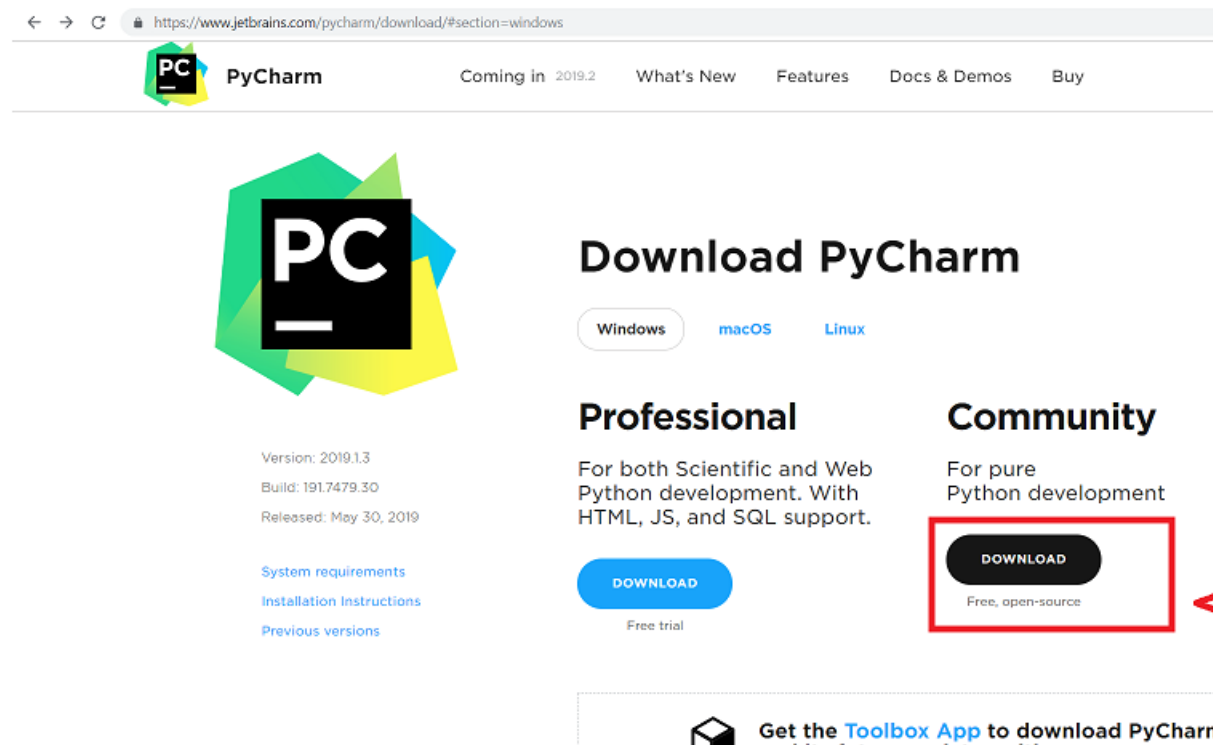
1 General Description

This programme serves as a generator of diverse types of passwords which are created with the use of both Polish and English sentences/proverbs. What is more, it aims at analyzing the frequency of occurrences of passwords. The passwords are divided into four groups i.e. the first one is generated by taking the initial letters of each words of a provided sentence/proverb, whereas the second type is compounded by the last letters of each words. The subsequent two groups follows aforementioned rules, nevertheless, the words are sorted. By going through through the programme, one can encounter miscellaneous possible options such as presenting the diagram and statistics of the password's occurrences and the possibility of saving them.

2 PyCharm Installation

Step 1. Go to the website: www.jetbrains.com/pycharm/download/#section=windows.

Step 2. Download the Community Edition of PyCharm appropriate for your operating system.



The screenshot shows the PyCharm download page. At the top, there's a navigation bar with the PyCharm logo and links for 'Coming in 2019.2', 'What's New', 'Features', 'Docs & Demos', and 'Buy'. The main content area features the PyCharm logo on the left, with version information (2019.1.3, Build: 191.7479.30, Released: May 30, 2019) and links for 'System requirements', 'Installation instructions', and 'Previous versions'. To the right, there's a 'Download PyCharm' section with tabs for 'Windows', 'macOS', and 'Linux'. Below these tabs, there are two columns: 'Professional' and 'Community'. The 'Professional' column has a 'DOWNLOAD' button labeled 'Free trial'. The 'Community' column has a 'DOWNLOAD' button labeled 'Free, open-source', which is highlighted with a red rectangle. At the bottom, there's a banner for the 'Toolbox App'.

← → ↻ <https://www.jetbrains.com/pycharm/download/#section=windows>

PyCharm Coming in 2019.2 What's New Features Docs & Demos Buy

Download PyCharm

Windows macOS Linux

Professional
For both Scientific and Web Python development. With HTML, JS, and SQL support.
DOWNLOAD
Free trial

Community
For pure Python development
DOWNLOAD
Free, open-source

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

[System requirements](#)
[Installation instructions](#)
[Previous versions](#)

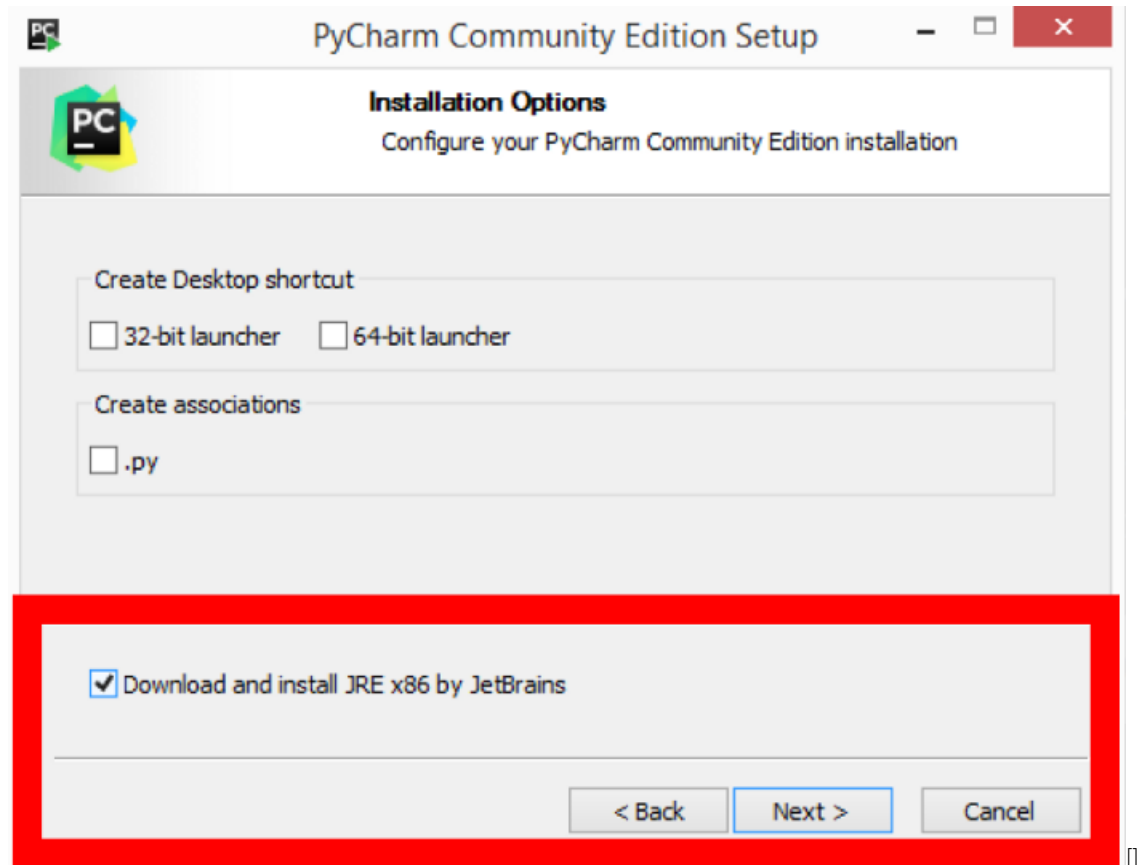
Get the **Toolbox App** to download PyCharm

2. *PYCHARM INSTALLATION*

5

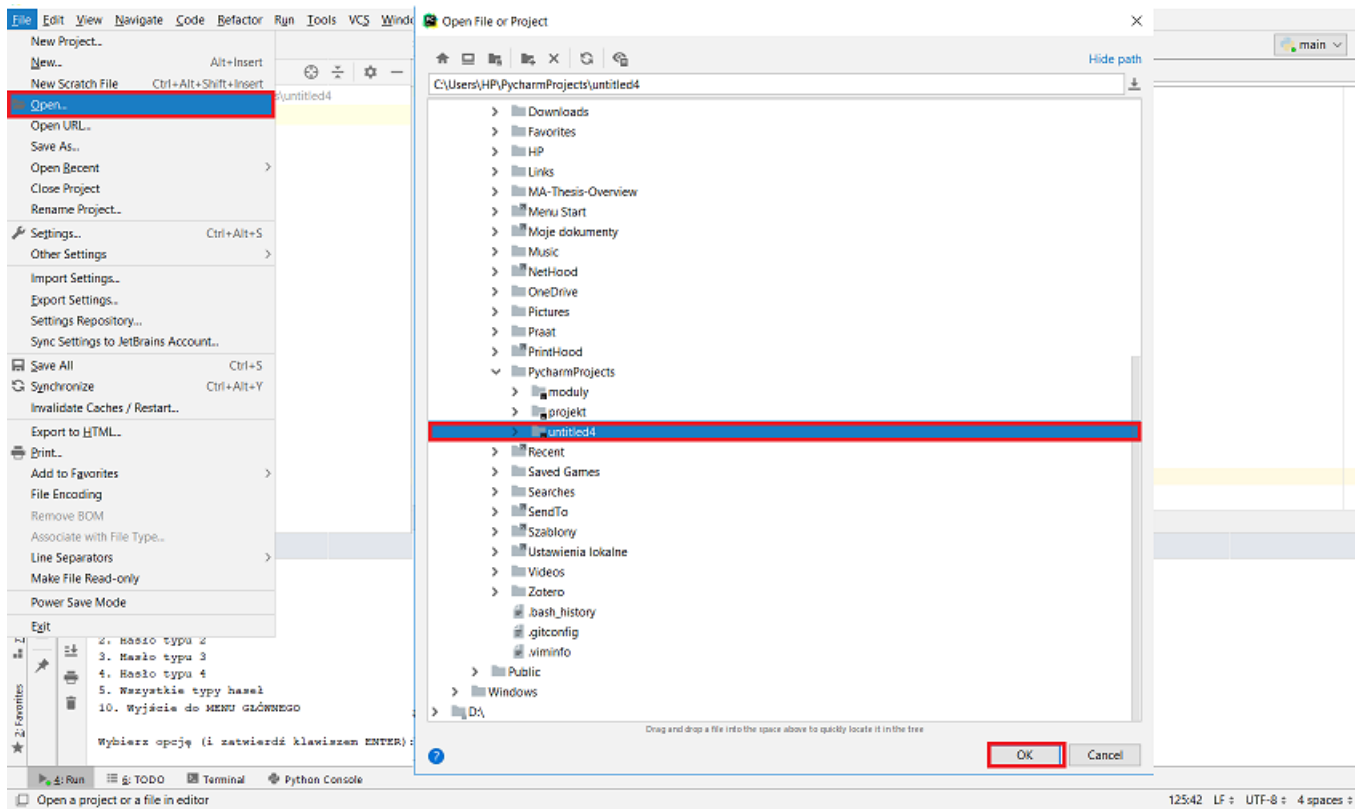
Step 3. Click on the downloaded file.

Step 4. Go through the default installation process until you get to the following screen.



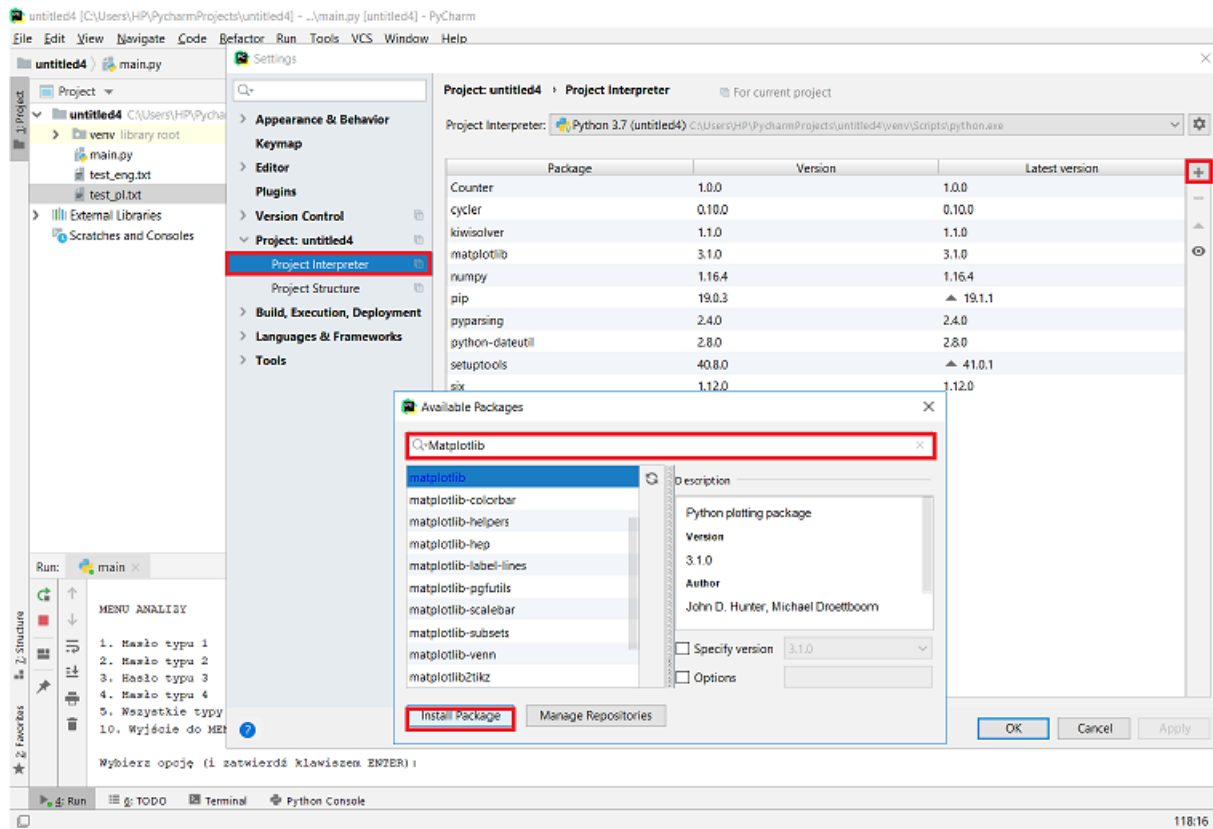
3 Starting the programme

Step 1. To upload the project files click "File" icon, then click "Open" and choose the folder with the project.

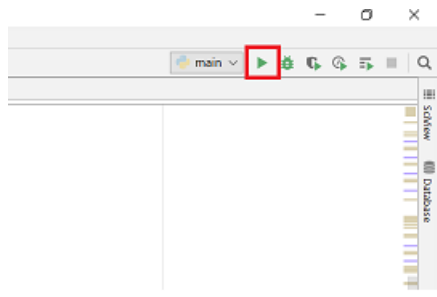


Step 2. Install two modules: Matplotlib and Counter

- to install these packages press **ctrl+alt+s**
- choose the "project interpreter"
- click on "+" in the right upper corner
- in the search engine write "Matplotlib/Counter"
- install package



Step 3. To run the programme, click on the play button in the right upper corner



Now the programme is well-prepared for its usage.

4 Main Menu Display

▲ GŁÓWNE MENU

1. Załaduj Polskie Zdania
2. Załaduj Angielskie Zdania
3. Analiza Polskich Zdań
4. Analiza Angielskich Zdań
5. Analiza Porównawcza
10. Wyjście

Wybierz opcję (i zatwierdź klawiszem ENTER):

□

WARNING!!!

BEFORE YOU START YOUR JOURNEY WITH THIS PROGRAMME,
MAKE SURE TO:

Step 1. Upload the file containing the set of Polish sentences by pressing 1, then press 'enter' to continue.

Step 2. Upload the file containing the set of English sentences by pressing 2, then press 'enter' to continue.

Now you reach the stage when you have to choose one of three given options:

OPTION 1

▲ GŁÓWNE MENU

1. Załaduj Polskie Zdania
2. Załaduj Angielskie Zdania
3. Analiza Polskich Zdań
4. Analiza Angielskich Zdań
5. Analiza Porównawcza
10. Wyjście

Wybierz opcję (i zatwierdź klawiszem ENTER):



MENU ANALIZY

1. Hasło typu 1
2. Hasło typu 2
3. Hasło typu 3
4. Hasło typu 4
5. Wszystkie typy haseł
10. Wyjście do MENU GŁÓWNEGO

Wybierz opcję (i zatwierdź klawiszem ENTER):



▲ OPCJE ANALIZY

1. Wyświetl wykres wystąpień haseł
2. Zapisz wykres wystąpień haseł
3. Wyświetl statystyki haseł
4. Zapisz wyniki do pliku txt
10. Wyjście do menu MENU ANALIZY

Wybierz opcję (i zatwierdź klawiszem ENTER):

□

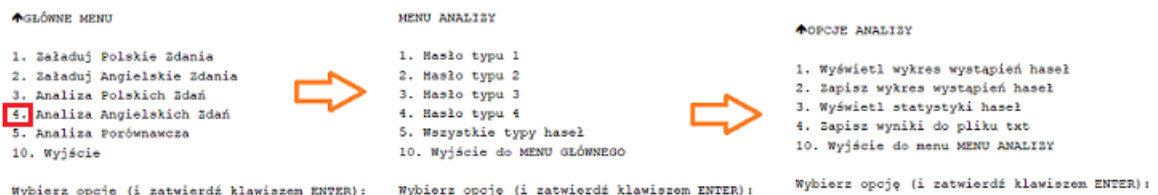
1. Press 3 to create a single analysis of Polish sentences and press 'enter' to confirm and continue.

2. To analyse the first type of password press 1 and press 'enter' to confirm and continue.

- Press 1 to present the diagram of the password's occurrences, then press 'enter' to confirm and continue.
 - To save the diagram press 2, then press 'enter' to confirm and continue.
 - To present the statistics of the passwords press 3, then press 'enter' to confirm and continue.
 - Press 4 to save the statistics as .txt file, then press 'enter' to confirm and continue
 - To return to the previous menu press 10, then press 'enter' to confirm and continue
3. To analyse the second type of password press 2 and press 'enter' to confirm and continue.
- Press 1 to present the diagram of the password's occurrences, then press 'enter' to confirm and continue.
 - To save the diagram press 2, then press 'enter' to confirm and continue.
 - To present the statistics of the passwords press 3, then press 'enter' to confirm and continue.
 - Press 4 to save the statistics as .txt file, then press 'enter' to confirm and continue
 - To return to the previous menu press 10, then press 'enter' to confirm and continue
4. To analyse the third type of password press 3 and press 'enter' to confirm and continue.
- Press 1 to present the diagram of the password's occurrences, then press 'enter' to confirm and continue.
 - To save the diagram press 2, then press 'enter' to confirm and continue.
 - To present the statistics of the passwords press 3, then press 'enter' to confirm and continue.
 - Press 4 to save the statistics as .txt file, then press 'enter' to confirm and continue
 - To return to the previous menu press 10, then press 'enter' to confirm and continue
5. To analyse the fourth type of password press 4 and press 'enter' to confirm and continue.
- Press 1 to present the diagram of the password's occurrences, then press 'enter' to confirm and continue.

- To save the diagram press 2, then press 'enter' to confirm and continue.
 - To present the statistics of the passwords press 3, then press 'enter' to confirm and continue.
 - Press 4 to save the statistics as .txt file, then press 'enter' to confirm and continue
 - To return to the previous menu press 10, then press 'enter' to confirm and continue
6. To analyse the all types of password press 5 and press 'enter' to confirm and continue.
- Press 1 to present the diagram of the password's occurrences, then press 'enter' to confirm and continue.
 - To save the diagram press 2, then press 'enter' to confirm and continue.
 - To present the statistics of the passwords press 3, then press 'enter' to confirm and continue.
 - Press 4 to save the statistics as .txt file, then press 'enter' to confirm and continue
 - To return to the previous menu press 10, then press 'enter' to confirm and continue
7. To return to the main menu press 10, then press 'enter' to confirm and continue

OPTION 2



1. Press 4 to create a single analysis of English sentences and press 'enter' to confirm and continue.
2. To analyse the first type of password press 1 and press 'enter' to confirm and continue.
 - Press 1 to present the diagram of the password's occurrences, then press 'enter' to confirm and continue.

- To save the diagram press 2, then press 'enter' to confirm and continue.
 - To present the statistics of the passwords press 3, then press 'enter' to confirm and continue.
 - Press 4 to save the statistics as .txt file, then press 'enter' to confirm and continue
 - To return to the previous menu press 10, then press 'enter' to confirm and continue
3. To analyse the second type of password press 2 and press 'enter' to confirm and continue.
- Press 1 to present the diagram of the password's occurrences, then press 'enter' to confirm and continue.
 - To save the diagram press 2, then press 'enter' to confirm and continue.
 - To present the statistics of the passwords press 3, then press 'enter' to confirm and continue.
 - Press 4 to save the statistics as .txt file, then press 'enter' to confirm and continue
 - To return to the previous menu press 10, then press 'enter' to confirm and continue
4. To analyse the third type of password press 3 and press 'enter' to confirm and continue.
- Press 1 to present the diagram of the password's occurrences, then press 'enter' to confirm and continue.
 - To save the diagram press 2, then press 'enter' to confirm and continue.
 - To present the statistics of the passwords press 3, then press 'enter' to confirm and continue.
 - Press 4 to save the statistics as .txt file, then press 'enter' to confirm and continue
 - To return to the previous menu press 10, then press 'enter' to confirm and continue
5. To analyse the fourth type of password press 4 and press 'enter' to confirm and continue.
- Press 1 to present the diagram of the password's occurrences, then press 'enter' to confirm and continue.
 - To save the diagram press 2, then press 'enter' to confirm and continue.

- To present the statistics of the passwords press 3, then press 'enter' to confirm and continue.
 - Press 4 to save the statistics as .txt file, then press 'enter' to confirm and continue
 - To return to the previous menu press 10, then press 'enter' to confirm and continue
6. To analyse the all types of password press 5 and press 'enter' to confirm and continue.
- Press 1 to present the diagram of the password's occurrences, then press 'enter' to confirm and continue.
 - To save the diagram press 2, then press 'enter' to confirm and continue.
 - To present the statistics of the passwords press 3, then press 'enter' to confirm and continue.
 - Press 4 to save the statistics as .txt file, then press 'enter' to confirm and continue
 - To return to the previous menu press 10, then press 'enter' to confirm and continue
7. To return to the main menu press 10, then press 'enter' to confirm and continue.

OPTION3

▲ GŁÓWNE MENU

1. Załaduj Polskie Zdania
2. Załaduj Angielskie Zdania
3. Analiza Polskich Zdań
4. Analiza Angielskich Zdań
5. Analiza Porównawcza
10. Wyjście

Wybierz opcję (i zatwierdź klawiszem ENTER):

▲ OPCJE ANALIZY

1. Wyświetl wykres wystąpień haseł
2. Zapisz wykres wystąpień haseł
3. Wyświetl statystyki haseł
4. Zapisz wyniki do pliku txt
10. Wyjście do menu MENU ANALIZY

Wybierz opcję (i zatwierdź klawiszem ENTER):



1. Press 5 to create a comparative analysis of English and polish sentences and press 'enter' to confirm and continue.
 - Press 1 to present the diagram of the password's occurrences, then press 'enter' to confirm and continue.
 - To save the diagram press 2, then press 'enter' to confirm and continue.

- To present the statistics of the passwords press 3, then press 'enter' to confirm and continue.
 - Press 4 to save the statistics as .txt file, then press 'enter' to confirm and continue
 - To return to the previous menu press 10, then press 'enter' to confirm and continue
2. To return to the main menu press 10, then press 'enter' to confirm and continue.

If you went through all of the aforementioned steps, it could only mean that this is the end of our programme.