Python Developers Survey 2017

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Logic: Show/hide trigger exists. Option sorting: Original option order

1. Is Python the main language you use for your current projects?*

( ) Yes

( ) No, I use Python as a secondary language

( ) No, I don't use Python for my current projects

Option sorting: Alphabetize options

2. What other language(s) do you use?*

[ ] None

[ ] Java

[ ] JavaScript

[ ] C/C++

[ ] PHP

[ ] C#

[ ] Ruby

[ ] Bash / Shell

[ ] Objective-C

[ ] Go

[ ] Visual Basic

[ ] Scala

[ ] SQL

[ ] Kotlin

[ ] R

[ ] Swift

[ ] Clojure

[ ] Perl

[ ] Rust

[ ] Groovy

[ ] TypeScript

[ ] CoffeeScript

[ ] HTML/CSS

[ ] Other - Write In: _____*

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Option sorting: Alphabetize options

3. What do you use Python for?*

[ ] Educational purposes

[ ] Data analysis

[ ] DevOps / System administration / Writing automation scripts

[ ] Software testing / Writing automated tests

[ ] Software prototyping

[ ] Web development

[ ] Machine learning

[ ] Mobile development

[ ] Desktop development

[ ] Computer graphics

[ ] Network programming

[ ] Game development

[ ] Multimedia applications development

[ ] Embedded development

[ ] Programming of web parsers / scrapers / crawlers

[ ] Other - Write In: _____ *

4. What do you use Python for the most?*

( ) Educational purposes

( ) Data analysis

( ) DevOps / System administration / Writing automation scripts

( ) Software testing / Writing automated tests

( ) Software prototyping

( ) Web development

( ) Machine learning

( ) Mobile development

( ) Desktop development

( ) Computer graphics

( ) Network programming

( ) Game development

( ) Multimedia applications development

( ) Embedded development

( ) Programming of web parsers / scrapers / crawlers

( ) Other - Write In: _____ *

5. Which version of Python do you use the most?*

( ) Python 2

( ) Python 3

Option sorting: Randomize options

6. What do you typically use to upgrade your Python version?*

[ ] Installer from python.org

[ ] Build from source

[ ] Automatic upgrade via cloud provider

[ ] Enthought

[ ] Anaconda

[ ] ActivePython

[ ] Intel Distribution for Python

[ ] OS-provided Python (via apt-get, yum, homebrew, etc.)

[ ] pyenv

[ ] pythonz

[ ] Other - Write In: _____*

Option sorting: Alphabetize options

7. What framework(s) do you use in addition to Python?*

[ ] None

[ ] Django

[ ] Flask

[ ] Tornado

[ ] Bottle

[ ] web2py

[ ] NumPy / pandas / Matplotlib / scipy and similar

[ ] Keras / Theano / TensorFlow / scikit-learn and similar

[ ] Pillow

[ ] PyQT / PyGTK / wxPython

[ ] TkInter

[ ] Pygame

[ ] CherryPy

[ ] Twisted

[ ] Pyramid

[ ] Requests

[ ] asyncio

[ ] Kivy

[ ] six

[ ] aiohttp

[ ] Other - Write In: _____*

8. What additional technology(s) do you use in addition to Python?*

[ ] None

[ ] Jupyter Notebook

[ ] Anaconda

[ ] ORM (SQLAlchemy, PonyORM, etc.)

[ ] Docker

[ ] Vagrant

[ ] Cloud platforms (Google App Engine, AWS, RackSpace, Heroku and similar)

[ ] Hadoop, Spark, etc.

[ ] Sphinx

[ ] Buildout

[ ] DevOps tools (Ansible, Chef, Puppet, etc.)

[ ] redis

[ ] Other - Write In: _____*

9. What cloud platform(s) do you use?*

[ ] Google App Engine

[ ] AWS

[ ] Microsoft Azure

[ ] RackSpace

[ ] Heroku

[ ] DigitalOcean

[ ] Other - Write In: _____ *

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Option sorting: Alphabetize options

10. What editor(s)/IDE(s) have you considered for use in your Python development?*

[ ] Atom

[ ] Sublime Text

[ ] Vim

[ ] VS Code

[ ] Eclipse + Pydev

[ ] Aptana

[ ] Jupyter Notebook

[ ] IntelliJ IDEA

[ ] NotePad++

[ ] IDLE

[ ] Emacs

[ ] PyCharm Professional Edition

[ ] PyCharm Community Edition

[ ] Python Tools for Visual Studio (PTVS)

[ ] NetBeans

[ ] Spyder

[ ] Rodeo

[ ] Gedit

[ ] Ninja-IDE

[ ] Komodo Editor

[ ] Komodo IDE

[ ] Wing IDE

[ ] TextMate

[ ] Other - Write In: _____*

Option sorting: Alphabetize options

11. What is the main editor you use for your current Python development?*

( ) Atom

( ) Sublime Text

( ) Vim

( ) VS Code

( ) Eclipse + Pydev

( ) Aptana

( ) Jupyter Notebook

( ) IntelliJ IDEA

( ) NotePad++

( ) IDLE

( ) Emacs

( ) PyCharm Professional Edition

( ) PyCharm Community Edition

( ) Python Tools for Visual Studio (PTVS)

( ) NetBeans

( ) Spyder

( ) Rodeo

( ) Gedit

( ) Ninja-IDE

( ) Komodo Editor

( ) Komodo IDE

( ) Wing IDE

( ) TextMate

( ) Other - Write In: _____*

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12. When developing in Python, how often do you…?*

	Often	From time to time	Never or Almost never
use autocompletion in your editor	( )	( )	( )
use the debugger	( )	( )	( )
refactor your code	( )	( )	( )
use VCS	( )	( )	( )
use code linting (programs that analyze code for potential errors)	( )	( )	( )
use Python virtual environments for your projects	( )	( )	( )
use SQL databases	( )	( )	( )
use NoSQL databases	( )	( )	( )

run / debug or edit code on remote machines (remote hosts, VMs, etc.)	( )	( )	( )
use a Python profiler	( )	( )	( )
write tests for your code	( )	( )	( )
use code coverage	( )	( )	( )
use optional type hinting	( )	( )	( )
use Continuous Integration tools	( )	( )	( )
use Issue Trackers	( )	( )	( )

Option sorting: Original option order

13. Do you regularly work on multiple projects at the same time?*

( ) No, I only work on one project

( ) Yes, I work on one main and several side projects

( ) Yes, I work on many different projects

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Option sorting: Original option order

14. Please think of which web resources you read or follow for Python and related technologies. Write in up to 3 top <u>links</u> that come to mind (could be a twitter handle, a website, forum or blog):

Link 1: _____

Link 2: _____

Link 3: _____

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Option sorting: Randomize options

15. How did you first learn about your main editor?*

( ) Social network

( ) Friend / Colleague

( ) School / University

( ) Advertising

( ) Search engines

( ) Technical review / Forum / Blog

( ) Conference / User Group

( ) Other - Write In: _____*

( ) I don't remember

Option sorting: Original option order

16. How often do you use your main editor?*

( ) Daily

( ) Weekly

( ) Monthly

( ) Less frequently

17. Are you missing any features in your main editor?*

( ) No, it has all the features I need

( ) Yes - please list: _____ *

18. How likely is it that you would recommend your main editor to a friend or colleague?*

Not at all likely ( ) 0   ( ) 1   ( ) 2   ( ) 3   ( ) 4   ( ) 5   ( ) 6   ( ) 7   ( ) 8   ( ) 9   ( ) 10
Extremely likely

19. If you have some other comments, please tell us more:
_____

_____

_____

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20. Please think about the total number of Python Web Developers in the world and the total number of Data Scientists using Python.

What do you think is the ratio of these two numbers?

Python Web Developers ( ) 10:1 ( ) 5:1 ( ) 2:1 ( ) 1:1 ( ) 1:2 ( ) 1:5 ( ) 1:10 Python Data Scientists

What do you think would be the most popular opinion?

Python Web Developers ( ) 10:1 ( ) 5:1 ( ) 2:1 ( ) 1:1 ( ) 1:2 ( ) 1:5 ( ) 1:10 Python Data Scientists

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21. Most of the time, do you...? *

( ) Work in a team

( ) Work on your own project(s) independently

( ) Work as an external consultant or trainer

22. How many people are in your project team?*

( ) 2-7 people

( ) 8-12 people

( ) 13-20 people

( ) 21-40 people

( ) More than 40 people

23. What is your employment status?*

( ) Fully employed by a company / organization

( ) Partially employed by a company / organization

( ) Self-employed**

( ) Freelancer***

( ) Student

( ) Retired

( ) Other - Write In: _____*

24. Company name (optional):

_____

25. Which of the following industries best describes your company's business?

Choose one from the list:*

( ) Accounting / Finance / Insurance

( ) Administration / Management

( ) Banking / Real Estate / Mortgage Financing

( ) Business / Strategic Management

( ) Construction / Architecture

( ) Customer Support

( ) Design

( ) Education / Training

( ) Human Resources

( ) Information Technology / Software Development

( ) Law

( ) Logistics/ Transportation

( ) Machinery

( ) Manufacturing

( ) Marketing

( ) Medicine / Health

( ) Non-profit

( ) Publishing

( ) Restaurants / Hospitality

( ) Sales / Distribution / Business Development

( ) Science

( ) Security

( ) Service/ Maintenance

( ) Other

Logic: Hidden unless: Question "Choose one from the list:" is one of the following answers ("Other")

Other - Write In:*: _____

Logic: Hidden unless: (#24 Question "What is your employment status?" is one of the following answers ("Fully employed by a company / organization","Partially employed by a company / organization") AND Question "Choose one from the list:" is one of the following answers ("Information Technology / Software Development"))

26. Which of the following industries do you develop for?

Logic: Show/hide trigger exists. Option sorting: Alphabetize options

Choose one from the list:*

( ) Accounting / Finance / Insurance

( ) Administration / Management

( ) Banking / Real Estate / Mortgage Financing

( ) Business / Strategic Management

( ) Construction / Architecture

( ) Customer Support

( ) Design

( ) Education / Training

( ) Human Resources

( ) Information Technology / Software Development

( ) Law

( ) Logistics/ Transportation

( ) Machinery

( ) Manufacturing

( ) Marketing

( ) Medicine / Health

( ) Non-profit

( ) Publishing

( ) Restaurants / Hospitality

( ) Sales / Distribution / Business Development

( ) Science

( ) Security

( ) Service/ Maintenance

( ) Other

Logic: Hidden unless: Question "Choose one from the list:" is one of the following answers ("Other")

Other - Write In:*: _____

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27. How long have you been working in the IT industry?*

( ) Less than 1 year

( ) 1 - 2 years

( ) 3 - 5 years

( ) 6 - 10 years

( ) 11+ years

28. Which of the following best describes your job role(s)?*

[ ] DBA

[ ] Architect

[ ] QA engineer

[ ] Developer / Programmer

[ ] Technical support

[ ] Data analyst

[ ] Business analyst

[ ] Team lead

[ ] Product manager

[ ] CIO / CEO / CTO

[ ] Systems analyst

[ ] Other - Write In: _____*

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29. Could you tell us your age range?*

( ) 17 or younger

( ) 18-20

( ) 21-29

( ) 30-39

( ) 40-49

( ) 50-59

( ) 60 or older

30. What country do you live in?*

( ) Afghanistan

( ) Albania

( ) Algeria

( ) Andorra

( ) Angola

( ) Antigua and Barbuda

( ) Argentina

( ) Armenia

( ) Australia

( ) Austria

( ) Azerbaijan

( ) Bahamas, The

( ) Bahrain

( ) Bangladesh

( ) Barbados

( ) Belarus

( ) Belgium

( ) Belize

( ) Benin

( ) Bhutan

( ) Bolivia

( ) Bosnia and Herzegovina

( ) Botswana

( ) Brazil

( ) Brunei

( ) Bulgaria

( ) Burkina Faso

( ) Burundi

( ) Cambodia

( ) Cameroon

( ) Canada

( ) Cape Verde

( ) Central African Republic

( ) Chad

( ) Chile

( ) China

( ) Colombia

( ) Comoros

( ) Congo, Democratic Republic of the

( ) Congo, Republic of the

( ) Costa Rica

( ) Cote d'Ivoire

( ) Croatia

( ) Cuba

( ) Curacao

( ) Cyprus

( ) Czech Republic

( ) Denmark

( ) Djibouti

( ) Dominica

( ) Dominican Republic

( ) East Timor (see Timor-Leste)

( ) Ecuador

( ) Egypt

( ) El Salvador

( ) Equatorial Guinea

( ) Eritrea

( ) Estonia

( ) Ethiopia

( ) Fiji

( ) Finland

( ) France

( ) Gabon

( ) Gambia, The

( ) Georgia

( ) Germany

( ) Ghana

( ) Greece

( ) Grenada

( ) Guatemala

( ) Guinea

( ) Guinea-Bissau

( ) Guyana

( ) Haiti

( ) Holy See

( ) Honduras

( ) Hong Kong

( ) Hungary

( ) Iceland

( ) India

( ) Indonesia

( ) Iran

( ) Iraq

( ) Ireland

( ) Israel

( ) Italy

( ) Jamaica

( ) Japan

( ) Jordan

( ) Kazakhstan

( ) Kenya

( ) Kiribati

( ) Kosovo

( ) Kuwait

( ) Kyrgyzstan

( ) Laos

( ) Latvia

( ) Lebanon

( ) Lesotho

( ) Liberia

( ) Libya

( ) Liechtenstein

( ) Lithuania

( ) Luxembourg

( ) Macau

( ) Macedonia

( ) Madagascar

( ) Malawi

( ) Malaysia

( ) Maldives

( ) Mali

( ) Malta

( ) Marshall Islands

( ) Mauritania

( ) Mauritius

( ) Mexico

( ) Micronesia

( ) Moldova

( ) Monaco

( ) Mongolia

( ) Montenegro

( ) Morocco

( ) Mozambique

( ) Myanmar

( ) Namibia

( ) Nauru

( ) Nepal

( ) Netherlands

( ) Netherlands Antilles

( ) New Zealand

( ) Nicaragua

( ) Niger

( ) Nigeria

( ) North Korea

( ) Norway

( ) Oman

( ) Pakistan

( ) Palau

( ) Palestinian Territories

( ) Panama

( ) Papua New Guinea

( ) Paraguay

( ) Peru

( ) Philippines

( ) Poland

( ) Portugal

( ) Qatar

( ) Romania

( ) Russia

( ) Rwanda

( ) Saint Kitts and Nevis

( ) Saint Lucia

( ) Saint Vincent and the Grenadines

( ) Samoa

( ) San Marino

( ) Sao Tome and Principe

( ) Saudi Arabia

( ) Senegal

( ) Serbia

( ) Seychelles

( ) Sierra Leone

( ) Singapore

( ) Slovakia

( ) Slovenia

( ) Solomon Islands

( ) Somalia

( ) South Africa

( ) South Korea

( ) South Sudan

( ) Spain

( ) Sri Lanka

( ) Sudan

( ) Suriname

( ) Swaziland

( ) Sweden

( ) Switzerland

( ) Syria

( ) Taiwan

( ) Tajikistan

( ) Tanzania

( ) Thailand

( ) Timor-Leste

( ) Togo

( ) Tonga

( ) Trinidad and Tobago

( ) Tunisia

( ) Turkey

( ) Turkmenistan

( ) Tuvalu

( ) Uganda

( ) Ukraine

( ) United Arab Emirates

( ) United Kingdom

( ) United States

( ) Uruguay

( ) Uzbekistan

( ) Vanuatu

( ) Venezuela

( ) Vietnam

( ) Yemen

( ) Zambia

( ) Zimbabwe

Thank you for sharing with us!

The results of this survey will be published on Python Software Foundation and JetBrains resources and announced on social media. Keep an eye on www.python.org and follow @ThePSF and @jetbrains on Twitter.

If there's anything you'd like to discuss with us concerning this survey, please email us at surveys@jetbrains.com.