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- Latest Python 3 Release - Python 3.7.3
- Latest Python 2 Release - Python 2.7.16

### Stable Releases

- Python 3.7.3 - March 25, 2019  
**Note that Python 3.7.3 cannot be used on Windows XP or earlier.**
  - Download Windows help file
  - Download Windows x86-64 embeddable zip file
  - **Download Windows x86-64 executable installer**
  - Download Windows x86-64 web-based installer
  - Download Windows x86 embeddable zip file
  - Download Windows x86 executable installer
  - Download Windows x86 web-based installer

### Pre-releases

- Python 3.8.0a4 - May 6, 2019
  - Download Windows help file
  - Download Windows x86-64 embeddable zip file
  - Download Windows x86-64 executable installer
  - Download Windows x86-64 web-based installer
  - Download Windows x86 embeddable zip file
  - Download Windows x86 executable installer
  - Download Windows x86 web-based installer
- Python 3.8.0a3 - March 25, 2019

Python 3.7.3 (64-bit) Setup

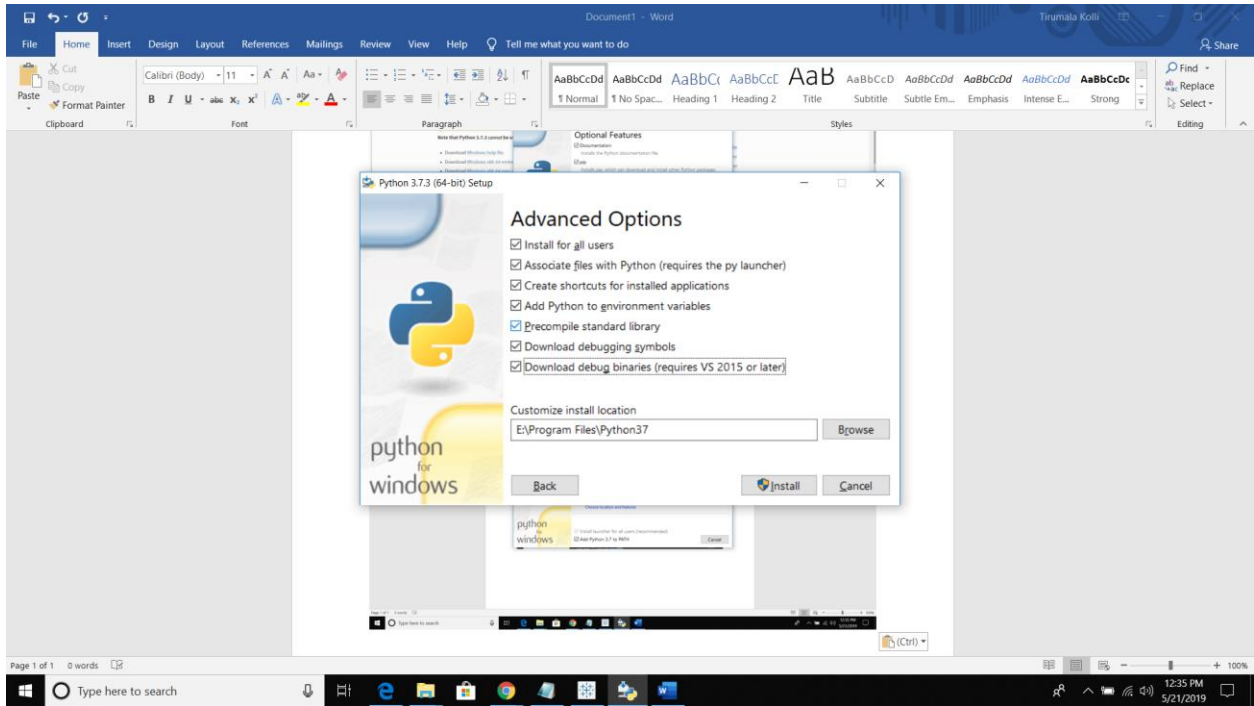
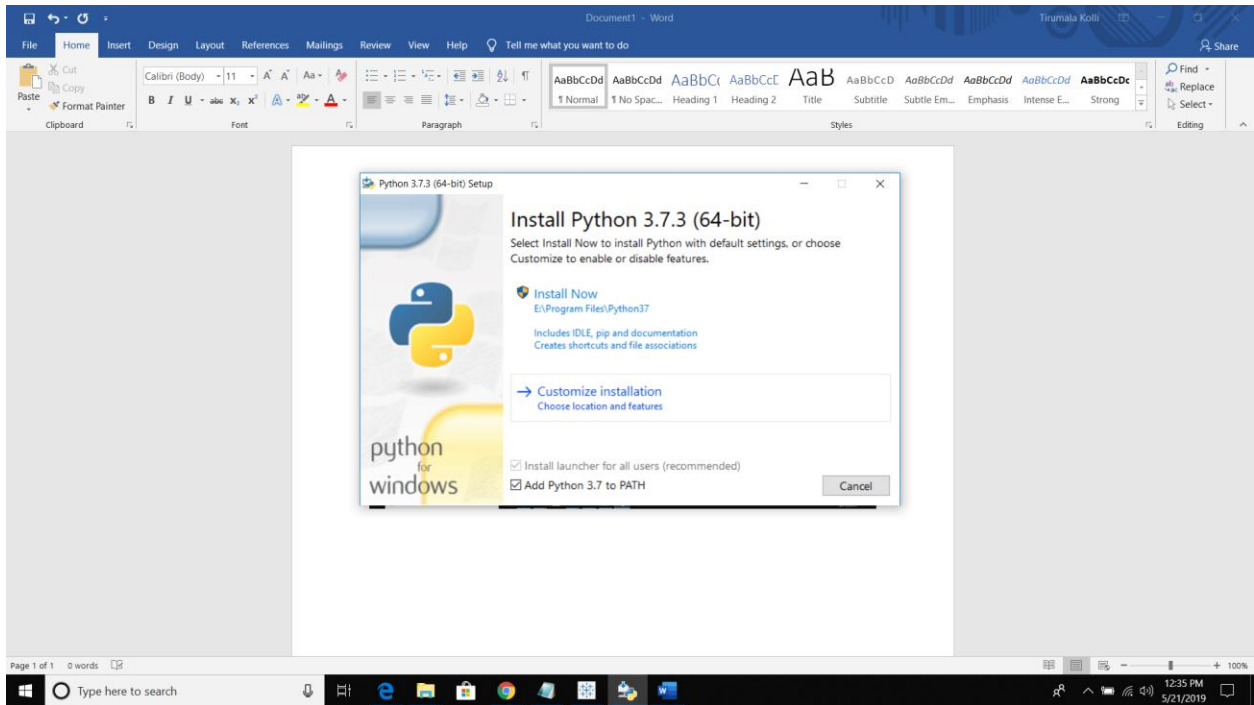
### Optional Features

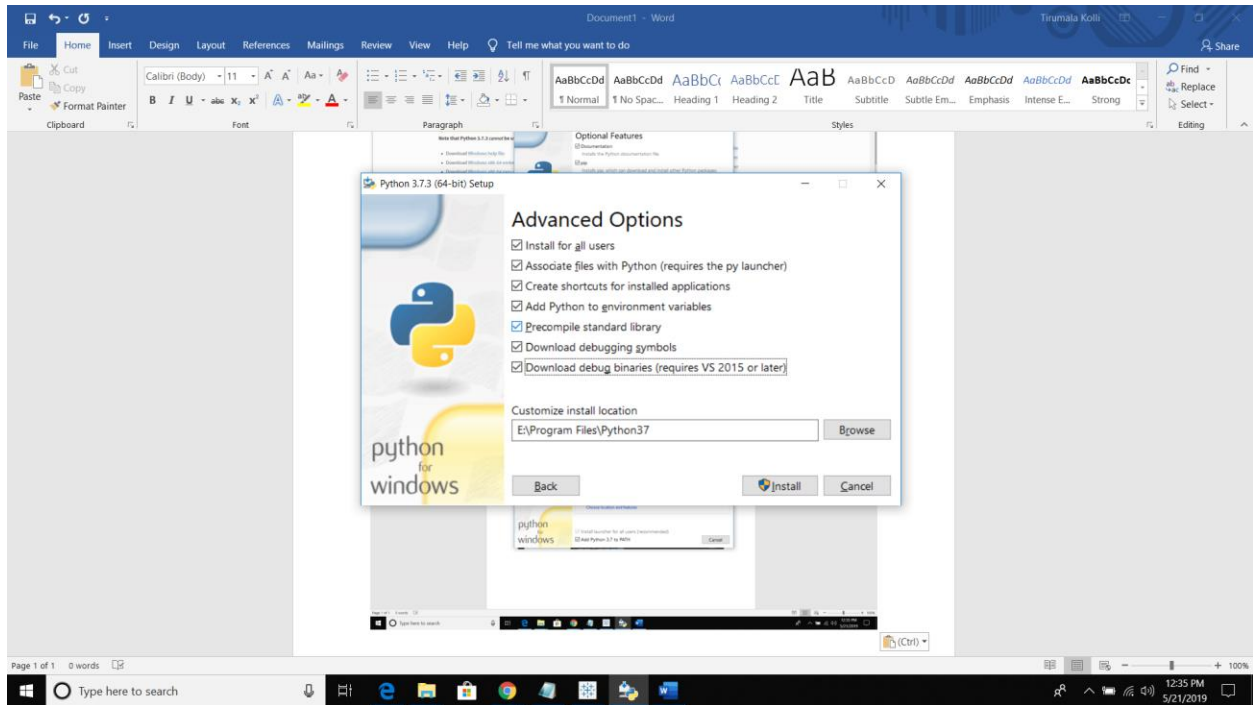
- Documentation  
Installs the Python documentation file.
- pip  
Installs pip, which can download and install other Python packages.
- tk/tk and IDLE  
Installs tkinter and the IDLE development environment.
- Python test suite  
Installs the standard library test suite.
- py launcher  for all users (requires elevation)  
Use Programs and Features to remove the 'py' launcher.

Back Next Cancel

python-3.7.3-embe...zip python-3.7.3-amd64.exe Show all

Type here to search 12:34 PM 5/21/2019





Once installation completed, restart your computer

Open CMD and type below command then it will download required files and will do installation automatically.

pip install tabpy-server

```

C:\WINDOWS\system32\cmd.exe
100% 81kB 95kB/s
Collecting future (from tabpy-server)
  Downloading https://files.pythonhosted.org/packages/90/52/e20466b8500a181e144fd8305caf2cf475e2f9674e797b222f8105f5f/future-0.17.1.tar.gz (829kB)
100% 829kB 87kB/s
Collecting numpy (from tabpy-server)
  Downloading https://files.pythonhosted.org/packages/4e/9d/c129d78e6b942303b762ccfd1f8339de80c5e6021b14ef0c99ec5bdc6aa/numpy-1.16.3-cp37-cp37m-win_amd64.whl (11.9MB)
100% 11.9MB 1.2MB/s
Collecting tabpy-client (from tabpy-server)
  Downloading https://files.pythonhosted.org/packages/fa/9f/d54b2d1e1eff48f8e0d1deb2c96244f1fd72ccb1e7d7baac55e89efc09b2/tabpy_client-0.2-py3-none-any.whl
Collecting requests (from tabpy-server)
  Downloading https://files.pythonhosted.org/packages/51/bd/23c926cd341ea6b7dd0b2a00aba99ae0f828be89d72b2190f27c11d4b7fb/requests-2.22.0-py3-none-any.whl (57kB)
100% 61kB 1.6MB/s
Collecting cloudpickle (from tabpy-server)
  Downloading https://files.pythonhosted.org/packages/24/fb/4f92f8c0f40a0d728b4f3d5ec5ff84353e705d8ff5e3e447620ea98b06bd/cloudpickle-1.1.1-py2.py3-none-any.whl
Collecting six>=1.5 (from python-dateutil->tabpy-server)
  Downloading https://files.pythonhosted.org/packages/73/fb/00a976f728d0d1fecfe898238ce23f502a721c0ac0ecfedb80e0d88c64e9/six-1.12.0-py2.py3-none-any.whl
Collecting pysistent<=0.14.0 (from jsonschema->tabpy-server)
  Downloading https://files.pythonhosted.org/packages/68/0b/f514e76b4e074386b60fc6c8c2d75ca615b81e415417ccf3fac80ae0bf6/pysistent-0.15.2.tar.gz (106kB)
100% 112kB 5.9MB/s
Collecting attrs>=17.4.0 (from jsonschema->tabpy-server)
  Downloading https://files.pythonhosted.org/packages/23/96/d828354fa2dbdf216eaa7b7de0db692f12c234fef888cc14980ef40d1d2/attrs-19.1.0-py2.py3-none-any.whl
Requirement already satisfied: setuptools in e:\program files\python37\lib\site-packages (from jsonschema->tabpy-server) (40.8.0)
Collecting urllib3!>1.25.0,!>1.25.1,<1.26,>=1.21.1 (from requests->tabpy-server)
  Downloading https://files.pythonhosted.org/packages/39/ec/d93dfc69617a028915df914339ef66936ea976ef24fa62940fd86ba0326e/urllib3-1.25.2-py2.py3-none-any.whl (150kB)
100% 153kB 943kB/s
Collecting certifi>=2017.4.17 (from requests->tabpy-server)
  Downloading https://files.pythonhosted.org/packages/60/75/f692a584e85f7eaba0e03827b3d51f45f571c2e793dd731e598828d380aa/certifi-2019.3.9-py2.py3-none-any.whl (158kB)
100% 163kB 1.0MB/s
Collecting chardet<3.1.0,>=3.0.2 (from requests->tabpy-server)
  Downloading https://files.pythonhosted.org/packages/bc/a9/01ffebfb562e4274b6487b4b1dded7ca55ec7510b22e4c51f40998443b8/chardet-3.0.4-py2.py3-none-any.whl (133kB)
100% 143kB 1.0MB/s
Collecting idna<2.9,>=2.5 (from requests->tabpy-server)
  Downloading https://files.pythonhosted.org/packages/14/2c/cd551d81d8e15200be1cf41c0d3869a46fe7226e7450af7a6545bf474c9/idna-2.8-py2.py3-none-any.whl (58kB)
100% 61kB 1.1MB/s

```

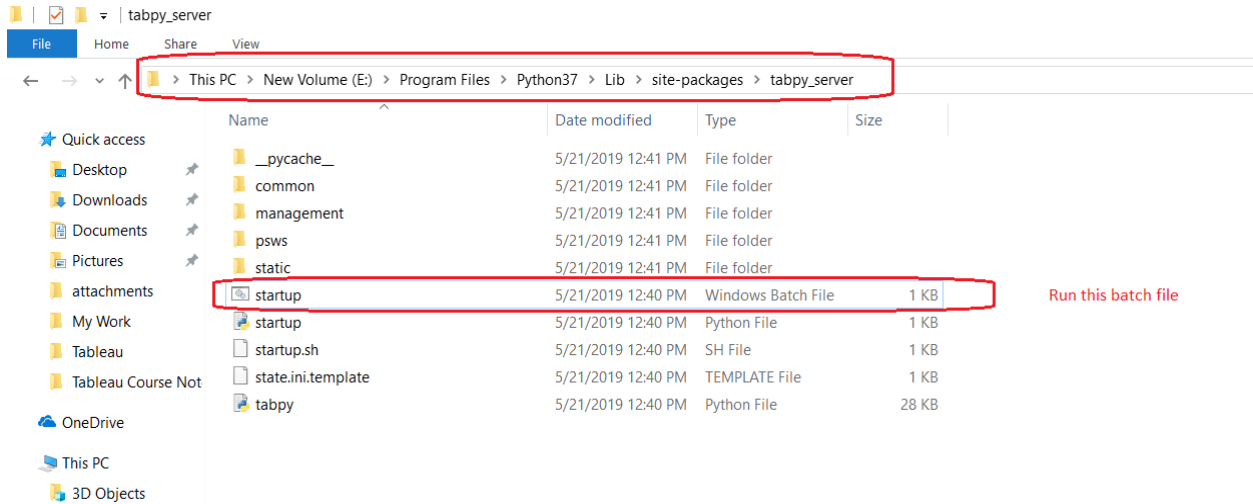
```

C:\WINDOWS\system32\cmd.exe
Tornado-JSON 1.3.4 has requirement jsonschema<3.0.0, but you'll have jsonschema 3.0.1 which is incompatible.
Tornado-JSON 1.3.4 has requirement tornado<6.0, >=3.2.2, but you'll have tornado 6.0.2 which is incompatible.
Installing collected packages: genson, tornado, decorator, futures, six, pyrsistent, attrs, jsonschema, Tornado-JSON, python-dateutil, simplejson, future, numpy, urllib3, certifi, chardet, idna, requests, cloudpickle, tabpy-client, tabpy-server
Running setup.py install for genson ... done
Running setup.py install for futures ... done
Running setup.py install for pyrsistent ... done
Running setup.py install for Tornado-JSON ... done
Running setup.py install for simplejson ... done
Running setup.py install for future ... done
Successfully installed Tornado-JSON-1.3.4 attrs-19.1.0 certifi-2019.3.9 chardet-3.0.4 cloudpickle-1.1.1 decorator-4.4.0 future-0.17.1 futures-3.1.1 genson-1.1.0 idna-2.8 jsonschema-3.0.1 numpy-1.16.3 pyrsistent-0.15.2 python-dateutil-2.8.0 requests-2.22.0 simplejson-3.16.0 six-1.12.0 tabpy-client-0.2 tabpy-server-0.2 tornado-6.0.2 urllib3-1.25.2
You are using pip version 19.0.3, however version 19.1.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

C:\Users\Tirumala>python -m pip install --upgrade pip
Collecting pip
  Downloading https://files.pythonhosted.org/packages/5c/e0/be401c003291b56efc55aeba6a80ab790d3d4cece2778288d65323009420/pip-19.1.1-py2.py3-none-any.whl (1.4MB)
  100% |#####| 1.4MB 587kB/s
Installing collected packages: pip
  Found existing installation: pip 19.0.3
  Uninstalling pip-19.0.3:
  Successfully uninstalled pip-19.0.3
  Successfully installed pip-19.1.1

C:\Users\Tirumala>pip install tabpy-server
Requirement already satisfied: tabpy-server in e:\program files\python37\lib\site-packages (0.2)
Requirement already satisfied: requests in e:\program files\python37\lib\site-packages (from tabpy-server) (2.22.0)
Requirement already satisfied: decorator in e:\program files\python37\lib\site-packages (from tabpy-server) (4.4.0)
Requirement already satisfied: futures in e:\program files\python37\lib\site-packages (from tabpy-server) (3.1.1)
Requirement already satisfied: numpy in e:\program files\python37\lib\site-packages (from tabpy-server) (1.16.3)
Requirement already satisfied: tabpy-client in e:\program files\python37\lib\site-packages (from tabpy-server) (0.2)
Requirement already satisfied: future in e:\program files\python37\lib\site-packages (from tabpy-server) (0.17.1)
Requirement already satisfied: tornado in e:\program files\python37\lib\site-packages (from tabpy-server) (6.0.2)
Requirement already satisfied: genson in e:\program files\python37\lib\site-packages (from tabpy-server) (1.1.0)
Requirement already satisfied: Tornado-JSON in e:\program files\python37\lib\site-packages (from tabpy-server) (1.3.4)
Requirement already satisfied: simplejson in e:\program files\python37\lib\site-packages (from tabpy-server) (3.16.0)
Requirement already satisfied: cloudpickle in e:\program files\python37\lib\site-packages (from tabpy-server) (1.1.1)
Requirement already satisfied: jsonschema in e:\program files\python37\lib\site-packages (from tabpy-server) (3.0.1)
Requirement already satisfied: python-dateutil in e:\program files\python37\lib\site-packages (from tabpy-server) (2.8.0)
Requirement already satisfied: idna<2.9, >=2.5 in e:\program files\python37\lib\site-packages (from requests->tabpy-server) (2.8)
Requirement already satisfied: certifi>=2017.4.7 in e:\program files\python37\lib\site-packages (from requests->tabpy-server) (2019.3.9)
Requirement already satisfied: chardet<3.1.0, >=3.0.2 in e:\program files\python37\lib\site-packages (from requests->tabpy-server) (3.0.4)
Requirement already satisfied: urllib3<1.25.0, >=1.25.1, <1.26, >=1.21.1 in e:\program files\python37\lib\site-packages (from requests->tabpy-server) (1.25.2)
Requirement already satisfied: six>=1.11.0 in e:\program files\python37\lib\site-packages (from jsonschema->tabpy-server) (1.12.0)
Requirement already satisfied: pyrsistent<=0.14.0 in e:\program files\python37\lib\site-packages (from jsonschema->tabpy-server) (0.15.2)
Requirement already satisfied: setuptools in e:\program files\python37\lib\site-packages (from jsonschema->tabpy-server) (40.3.0)
Requirement already satisfied: attrs>=17.4.0 in e:\program files\python37\lib\site-packages (from jsonschema->tabpy-server) (19.1.0)

```



Port number is 9004

Start Tabpy server like below

```

E:\Program Files\Python37\Lib\site-packages\tabpy_server>startup.bat
Traceback (most recent call last):
  File "tabpy.py", line 279, in <module>
    class EndpointsHandler(ManagementHandler):
  File "tabpy.py", line 287, in EndpointsHandler
    @tornado.web.asynchronous
AttributeError: module 'tornado.web' has no attribute 'asynchronous'

```

There was some error while starting tabpy server, due to version incompatibilities. So downgrading version tornado to 5.1.1

**Python 3.7 compatible with Tornado 5.1.1**, earlier we used Tornado 6 version, so it is not compatible with Python 3.7

```
pip install Tornado==5.1.1
```

```
E:\Program Files\Python37\Lib\site-packages\tabby_server>pip install Tornado==5.1.1
Collecting Tornado==5.1.1
  Downloading https://files.pythonhosted.org/packages/d7/d5/99aff77c15da335e3dbf30254b304a526494dca8e51b4b47419772e35a4e
/tornado-5.1.1-cp37-cp37m-win_amd64.whl (455kB)
    |#####| 460kB 100kB/s
ERROR: tornado-json 1.3.4 has requirement jsonschema<3.0,>=2.3.0, but you'll have jsonschema 3.0.1 which is incompatible
.
Installing collected packages: Tornado
  Found existing installation: tornado 6.0.2
  Uninstalling tornado-6.0.2:
    Successfully uninstalled tornado-6.0.2
Successfully installed Tornado-5.1.1

E:\Program Files\Python37\Lib\site-packages\tabby_server>pip
```

After successful downgrading Tornado to 5.1.1, then I am able to start Tabpy server, see below screenshot.

```
C:\WINDOWS\system32\cmd.exe - Startup.bat
path.
TYPE          Displays the contents of a text file.
VER           Displays the Windows version.
VERIFY       Tells Windows whether to verify that your files are written
            correctly to a disk.
VOL          Displays a disk volume label and serial number.
XCOPY        Copies files and directory trees.
WMIC         Displays WMI information inside interactive command shell.

For more information on tools see the command-line reference in the online help.

E:\Program Files\Python37\Lib\site-packages\tabby_server>
E:\Program Files\Python37\Lib\site-packages\tabby_server>pip install Tornado==5.1.1
Collecting Tornado==5.1.1
  Downloading https://files.pythonhosted.org/packages/d7/d5/99aff77c15da335e3dbf30254b304a526494dca8e51b4b47419772e35a4e
/tornado-5.1.1-cp37-cp37m-win_amd64.whl (455kB)
    |#####| 460kB 100kB/s
ERROR: tornado-json 1.3.4 has requirement jsonschema<3.0,>=2.3.0, but you'll have jsonschema 3.0.1 which is incompatible
.
Installing collected packages: Tornado
  Found existing installation: tornado 6.0.2
  Uninstalling tornado-6.0.2:
    Successfully uninstalled tornado-6.0.2
Successfully installed Tornado-5.1.1

E:\Program Files\Python37\Lib\site-packages\tabby_server>Startup.bat
Initializing TabPy...
Done initializing TabPy.
Web service listening on port 9004
```

Either you can use localhost / IP address as per below screenshot.

External Service Connection

Select an External Service  
TabPy/External API

Specify a server name and a port  
Server: http://127.0.0.1 Port: 9004

Sign in with a username and password  
Username: Password:

Require SSL  
No custom configuration file specified (click to change)...

Drop field here

Test Connection OK Cancel

External Service Connection

Select an External Service  
TabPy/External API

Specify a server name and a port  
Server: localhost Port: 9004

Sign in with a username and password  
Username: Password:

Require SSL  
No custom configuration file specified (click to change)...

Drop field here

Test Connection OK Cancel

Tableau

Successfully connected to the external service.

OK

Tableau

Successfully connected to the external service.

OK

**Calculate field code using Python:**

SCRIPT\_BOOL("

MyList = ()

for x in \_arg1:

    MyList.append(x>0)

return Mylist", SUM([Profit]))

The screenshot shows the Tableau interface with a calculation dialog box open for a field named 'Profitable\_State'. The dialog contains the following Python code:

```
SCRIPT_BOOL("
MyList = []
for x in _arg1:
    MyList.append(x>0)
return Mylist", SUM([Profit]))
```

The dialog also shows a dropdown menu for calculation types, with 'SCRIPT\_BOOL' selected. The description for 'SCRIPT\_BOOL' is: 'Returns a Boolean result from an external service script. Use .arg# to enumerate arguments in R expressions and \_arg# in Python expressions. For other external services consult with the vendor. In the'.

The background shows a Tableau worksheet with a table of states and their profit values:

State	Profit
Alabama	47
Arizona	-486
California	11,308
Colorado	-947
Delaware	698
Florida	-7
Georgia	701
Idaho	183
Illinois	-31
Indiana	71
Kentucky	230
Louisiana	33
Maryland	185
Massachusetts	1,088
Michigan	495
Minnesota	20
Mississippi	42
Missouri	12
Montana	21
Nebraska	16