

How to import Python fincal package

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Step 1: download it at <http://canisius.edu/~yany/soft/python/fincal.pyc>

Or <http://canisius.edu/~yany/soft/python/fincal.cpython-36.pyc>

Or go to page 3 to see another way.

Step 2: Launch Python and try to import it.

There are several ways to make fincal.pyc accessible.

Method I: assume that the file is saved under c:/temp/. Change the path, see the image below (on the right-hand side).



Method II: copy fincal.pyc to one of accessible subdirectories. To see all paths, issue the following code.

```
import sys
sys.path
```

The output is shown below. Different users would have different output.

```
In [4]: import sys
...: sys.path
...:
Out[4]:
['',
'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\User\\Scripts\\python27.zip',
'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86\\DLLs',
'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86\\lib',
'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86\\lib\\plat-win',
'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86\\lib\\lib-tk',
'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86',
'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\User',
'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\User\\lib\\site-packages',
'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\User\\lib\\site-packages\\win32',
'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\User\\lib\\site-packages\\win32\\lib',
'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\User\\lib\\site-packages\\Pythonwin',
'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata',
'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86\\lib\\site-packages\\win32',
'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86\\lib\\site-packages\\win32\\lib',
'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86\\lib\\site-packages\\Pythonwin',
'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86\\lib\\site-packages\\IPython\\extensions',
'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata',
'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86',
'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86\\lib\\site-packages',
'C:\\Users\\yany\\.ipython']
```

Now, you simply copy fincal.pyc to one of the above subdirectories.

Method III: Add the path instead, see the code below.

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```
import sys
sys.path.append('c:\\temp')
```

We could issue `sys.path` to check, see the image below.

```
In [13]: sys.path
Out[13]:
['',
 'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\User\\Scripts\\python27.zip',
 'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86\\DLLs',
 'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86\\lib',
 'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86\\lib\\plat-win',
 'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86\\lib\\lib-tk',
 'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86',
 'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\User',
 'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\User\\lib\\site-packages',
 'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\User\\lib\\site-packages\\win32',
 'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\User\\lib\\site-packages\\win32\\lib',
 'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\User\\lib\\site-packages\\Pythonwin',
 'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata',
 'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86\\lib\\site-packages\\win32',
 'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86\\lib\\site-packages\\win32\\lib',
 'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86\\lib\\site-packages\\Pythonwin',
 'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86\\lib\\site-packages\\IPython\\extensions',
 'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata',
 'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86',
 'C:\\Users\\yany\\AppData\\Local\\Enthought\\Canopy32\\App\\appdata\\canopy-1.7.4.3348.win-x86\\lib\\site-packages',
 'C:\\Users\\yany\\.ipython',
 'c:\\temp']
```

Note that if we want to remove a path, we could use the following code.

```
import sys
sys.path.remove('c:\\temp')
```

Step 4: now, we could import that module, see code below.

```
import fincal
x=dir(fincal)
print(x)
```

The related output is shown below.

```
In [17]: import fincal
...: x=dir(fincal)
...: print(x)
...:
['CND', 'EBITDA_value', 'IRR_f', 'IRRs_f', 'NPER', 'PMT', 'Rc_f', 'Rm_f', '__builtins__', '__doc__', '__file__', '__name__',
 '__package__', '__request__', 'bondPrice', 'bsCall', 'convert_B_M', 'duration', 'exp', 'fincalHelp', 'fvAnnuity', 'fvAnnuityDue', 'fv_f',
 'get_200day_moving_avg', 'get_50day_moving_avg', 'get_52week_high', 'get_52week_low', 'get_EBITDA', 'get_all', 'get_avg_daily_volume',
 'get_book_value', 'get_change', 'get_dividend_per_share', 'get_dividend_yield', 'get_earnings_per_share', 'get_historical_prices',
 'get_market_cap', 'get_price', 'get_price_book_ratio', 'get_price_earnings_growth_ratio', 'get_price_earnings_ratio',
 'get_price_sales_ratio', 'get_short_ratio', 'get_stock_exchange', 'get_volume', 'log', 'market_cap', 'mean', 'modified_duration',
 'n_annuity', 'npv_f', 'payback', 'payback_period', 'pi', 'pvAnnuity', 'pvAnnuityDue', 'pvAnnuity_k_period_from_today',
 'pvGrowingAnnuity', 'pvGrowingPerpetuity', 'pvPerpetuity', 'pvPerpetuityDue', 'pv_excel', 'pv_f', 'r_continuous', 'rateYan', 're', 'sign',
 'sqrt', 'urllib']

In [18]: |
```

Note that since Yahoo!Finance and Google finance have changed their data structures, many functions related downloading data from their web sites would not work.

Another way to get fincal:

Step 1: Download the file called fincal3.pyc at <http://canisius.edu/~yany/soft/python/fincal3.pyc>

Assume that it is saved under c:/temp/

Step 2: Change your path shown below



Or added it to your path by using the following code.

```
import sys
sys.path.append('c:\\temp')
```

Step 3: Issue the following commands

```
In [4]: import fincal3 as fincal
```

```
In [5]: x=dir(fincal)
```

```
In [6]: print(x)
['CND', 'EBITDA_value', 'IRR_f', 'IRRs_f', 'NPER', 'PMT', 'Rc_f', 'Rm_f', '__builtins__', '__cached__', '__doc__', '__file__', '__loader__', '__name__', '__package__', '__request__', '__spec__', 'bondPrice', 'bsCall', 'convert_B_M', 'duration', 'exp', 'fincalHelp', 'fvAnnuity', 'fvAnnuityDue', 'fv_f', 'get_200day_moving_avg', 'get_50day_moving_avg', 'get_52week_high', 'get_52week_low', 'get_EBITDA', 'get_all', 'get_avg_daily_volume', 'get_book_value', 'get_change', 'get_dividend_per_share', 'get_dividend_yield', 'get_earnings_per_share', 'get_historical_prices', 'get_market_cap', 'get_price', 'get_price_book_ratio', 'get_price_earnings_growth_ratio', 'get_price_earnings_ratio', 'get_price_sales_ratio', 'get_short_ratio', 'get_stock_exchange', 'get_volume', 'log', 'market_cap', 'mean', 'modified_duration', 'n_annuity', 'npv_f', 'payback_', 'payback_period', 'pi', 'pvAnnuity', 'pvAnnuityDue', 'pvAnnuity_k_period_from_today', 'pvGrowingAnnuity', 'pvGrowingPerpetuity', 'pvPerpetuity', 'pvPerpetuityDue', 'pv_excel', 'pv_f', 'r_continuous', 'rateYan', 're', 'sign', 'sqrt', 'urllib']
```

```
In [7]: |
```