

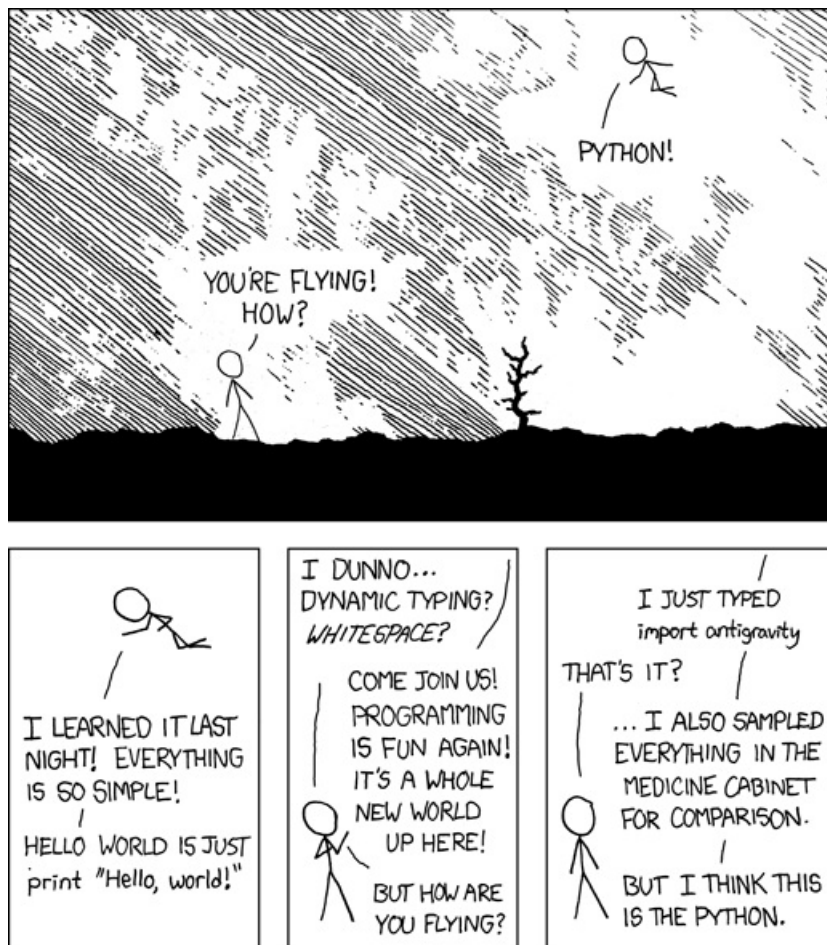
Fun Fact: Python's name stems from comedy, not reptiles.

## Installing Python

1. Download and install Python.
2. Open your command line or terminal. Type `python --version`. This should display the Python version number if the installation was successful.

## Install required libraries

In Python, you can import many libraries, making it versatile.



```
import antigravity
```

1. You can install libraries using `pip` or an environment manager like `conda`. We recommend the latter. Here are some steps to set up your environment.

That's it! You should now be ready.

## Python examples in this book

We provide Python code for most examples in shaded boxes like this:

```
# Import required libraries
import pandas as pd
from statsforecast import StatsForecast
from statsforecast.models import AutoETS
from utilsforecast.plotting import plot_series

# Plot one time series
aus_retail = pd.read_csv('data/aus_retail.csv', parse_dates=['Month'])
df = aus_retail.query('`Series ID` == "A3349640L"')
plot_series(df, id_col='Series ID', time_col='Month', target_col='Turnover')

# Produce some forecasts
sf = StatsForecast(
    models = [AutoETS(season_length=12)],
    freq = 'MS'
)

sf.forecast(df=df, h=24, id_col='Series ID', time_col='Month', target_col='Turnover')
```

These examples assume that you have the necessary Python libraries installed. You can do this via `pip`, for example

```
pip install pandas
```

Sometimes we assume that the Python code that appears earlier in the same chapter of the book has also been run; so it is best to work through the Python code in the order provided within each chapter.

## Getting started with Python

There are many great resources on how to get started with Python. Here are some that we like:

Courses:

- Introduction to Computer Science and Programming in Python
- Python for Everybody Specialization

Read the docs:

- <https://docs.python.org/3/>

← Chapter 15 Foundation forecasting models

Appendix: Data used in the book →