A note on Python and packages

The Python examples in this book are all written in Python 3.6.1 and employs the SciPy (Scientific Python) ecosystem for scientific computing, mainly pyplot from matplotlib for plotting and NumPy (Numerical Python) for handling of arrays. The easiest way to obtain these libraries is by installing Anaconda[1]. Anaconda, in addition to being a Python distribution on its own, includes all of the most popular data science, visualization and machine learning tools for Python.

For a few other tasks, like sound processing, additional libraries not included in the core Anaconda package are used. These are easy to install through the Anaconda graphical user interface or by a command line argument using pip, the PyPA[2] recommended tool for installing Python packages. For example,

```
pip install sounddevice
```

If you do not want to use Anaconda, you can install all the packages needed, including matplotlib and NumPy, with pip. pip should already be installed if you're using Python 2 >= 2.7.9 or Python 3 >= 3.4, but should be upgraded. See `pip.pypa.io` for further details.

[1] `www.anaconda.com/download`
[2] Python Packaging Authority