



# **Preliminary Web Report Format**

# Introduction

- Web report should be such that the clients can do the following
  - Display all text and tables
  - Display plots in interactive manner as much as possible
  - Should have navigation bar on the left to easily navigate across the report with ease
- Should be device independent (as much as possible). Clients may use tablets, desktops or phones (Windows, apple or android)
- There may be templates already existing to develop the entire webpage with the design described in this section.  
Search/research online
- D3JS or Python or PHP may already contain something similar that we can fork from?

# General Layout

The screenshot shows the Python Wiki page for the 'BeginnersGuide'. A red box highlights the browser's address bar, which contains the URL `https://wiki.python.org/moin/BeginnersGuide`. Another red box highlights the left sidebar, which contains a 'Navigation Pane' with links to 'FRONTPAGE', 'RECENTCHANGES', 'FINDPAGE', 'HELPCONTENTS', and 'BEGINNERSGUIDE'. Below these links are sections for 'Page' (with links to 'Immutable Page', 'Info', 'Attachments', and a 'More Actions' dropdown) and 'User' (with a 'Login' link). The main content area is also outlined with a red box and contains the following text:

» **BeginnersGuide**  
» BeginnersGuide

## Beginner's Guide to Python

New to programming? Python is free and easy to learn if you know where to start! This guide will help you to get started quickly.

[Chinese Translation](#)

### New to Python?

Read [BeginnersGuide/Overview](#) for a short explanation of what Python is.

### Getting Python

Next, install the Python interpreter on your computer. This is the program that reads Python programs and carries out their instructions; you need it before you can do any Python programming. Mac OSX distributions from 10.3 (Panther) and up, include a version of Python, which, although it can be as much as two years out of date, may be suitable for beginning. Linux distributions also frequently include Python and it is readily upgraded. JetBrains has a software called Pycharm and you can download it for free. See [Pycharm download](#)

There are currently two major versions of Python available: Python 2 and Python 3. The [Python2orPython3](#) page provides advice on how to decide which one will best suit your needs. At the time of writing (21 Jun 2010), the rest of this page assumes you've decided to use Python 2.

See [BeginnersGuide/Download](#) for instructions for downloading the correct version of Python.

At some stage, you'll want to edit and save your program code. Take a look at [HowToEditPythonCode](#) for some advice and recommendations.

Annotations on the screenshot include:

- URL**: Points to the address bar.
- Navigation Pane**: Points to the left sidebar.
- Content containing the following:**
  - Headings**: Points to the 'BeginnersGuide' and 'BeginnersGuide' links.
  - NVD3 Charts or other interactive charts**: Points to the 'Getting Python' section.
  - Pictures**: Points to the 'Pycharm download' link.
  - Text**: Points to the main body of text.

# Navigation Pane

- Navigation pane should be
  - URL driven
  - Clickable
  - Should have scrolling independent from main content page

# Content

- Content Should
  - Based on heading definitions, the navigation pane should be automatically created. No need to program this again
  - Should support interactive charts, figures etc.
  - Ability to click to expand and click to again unexpand
  - Etc.

# Presentation Title

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