# Power Curve Working Group Open Source Tool Overview

## 

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## 1 Licence

## The PCWG tool is released under the MIT Software License.

The MIT License (MIT)

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## 2 Installation

There are two ways to run the PCWG code:

1. Running the standalone .exe
2. Running from the source code

### 2.1 Installing PCWG Executable

To run the PCWG .exe the follow steps should be completed:

* In DropBox go to DropBox/PCWG/Tool
* Extract the contents of the archive pcwg-tool.zip to a local folder e.g. c:\PCWG-Tool
* Double-click on the local executable c:\PCWG-Tool\pcwg.exe

### 2.2 Installing PCWG Source Code

To run the PCWG source code the follow steps should be completed:

* **Install python**:
  + There are several Python distributions available. One particularly convenient distribution is called Anaconda which contains all necessary libraries to run the PCWG code.
  + To download Anaconda Python go to: <http://continuum.io/downloads>
* **Install GitHub Source Control**:
  + Go to <https://windows.github.com>
  + Download the GitHub client for your operating system
* **Clone the PCWG Repository**
  + Go to <https://github.com/peterdougstuart/PCWG>
  + Click on “Clone in Desktop” (see Figure 1)
  + Select the local directory where you wish to store the PCWG code

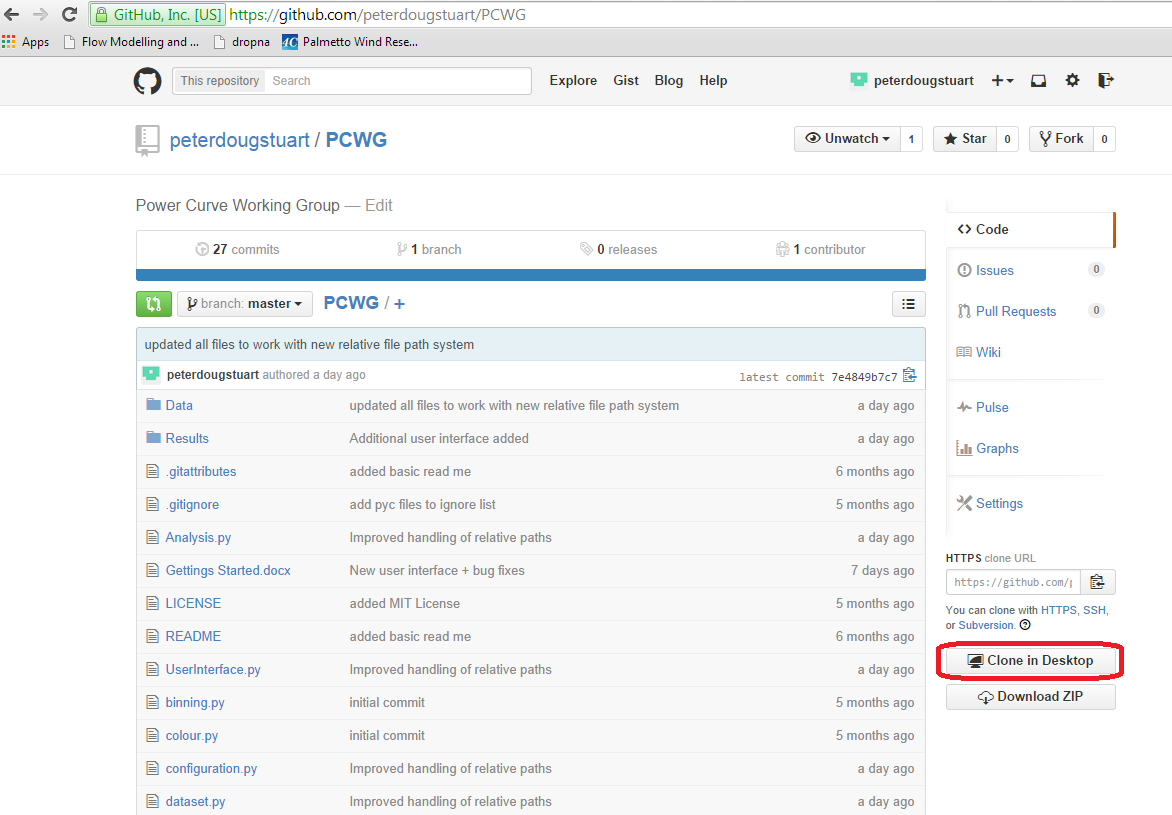


Figure 1. PCWG page on Git Hub

* **Start Integrated Debugging Environment (IDE):**
  + Anaconda comes with a IDE called Spyder which can normally be found in C:\Anaconda\Scripts\spyder.exe.
  + Start Spyder
  + When prompted create a new workspace
  + Goto File > Open, browse to your local PCWG Git folder and open “UserInterface.py”
  + Press F5 to run the tool.

## Getting Started

Once the tool is running you should see a screen similar to Figure 2.

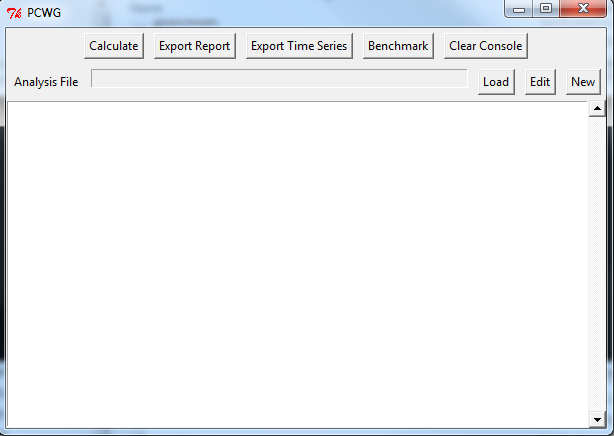


Figure 2. PCWG Tool Home Screen