README

**fc\_profiler**

This is a tool for understanding data in an undocumented world.

Given an Esri ArcGIS feature class (fc), **fc\_profiler** will perform a suite of data profiling activities outputting the results to an XLS file.

**Installation**

Requires the python libraries that ship with Esri ArcGIS 10.3 or greater

**Usage**

*Now*

Edit the run config section of the code and run.

*Soon…*

C:\>python fc\_profiler --fc c:\tmp\data.gdb\roads –-xlsdir c:\temp

*Even later…*

Create a python tool for ArcMap, using the ArcGIS Gui

**Known bugs and issues**

* This has been developed and tested against ArcGIS versions 10.3 and 10.6
* Right now, it doesn’t do much at all
* It will always run all profile tests

**Why**

This is fundamentally an excuse to learn:

* **Python 2.7** (and later 3)
* **arcpy**
* **unittest**
* **xlwt**, **argparse**, and **sqlite**
* Source code management, **Git** and **GitHub,** including **GitHub Projects**
* The **PyCharm** IDE
* The python **logging** library
* Writing README and **markdown**

*Why these versions?*

I work behind a military grade firewall. I’m using what comes with ArcGIS 10.3… yeah, that’s 10.3….

**Git/GitHub workflow**

* Master is release-ready code
* On branches take ‘yer chances

**Testing**

* This is a database app and tests are run against a set of pre-made fGDBs
* The test databases are scripted via unittests

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**About the author**

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