Data Science Workshop Series S02-SS01

Python basics

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May-2019-IPM





puthon SOFTWARE POUNDATION

Interactive Interpreted Modular Dynamic Object-oriented Portable High level Able to talk to Fortran, C++ & C,

- It Is Free
- Integration Feature
- It Needs Less Coding
- Big Giants Are Using It
- Extensive Support Libraries
- It Is One Of The Most Trending Languages

Beautiful is better than ugly.

Explicit is better than implicit.

Simple is better than complex.

Flat is better than nested.

Sparse is better than dense.

Readability counts.

Special cases aren't special enough to break the rules.

Errors should never pass silently.

There should be one—and preferably only one—obvious way to do it.

If the implementation is hard to explain, it's a bad idea.

If the implementation is easy to explain, it may be a good idea.







Web and Internet Development



Desktop GUI Applications



Scientific and Numeric

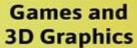


Software Development



Education

Business Applications



Network Programming

> Database Access









| The 15 Stages of programming: | Happiness (%) |
|----------------------------------------|------------------|
| The beginning | 50 |
| I have no Idea what I'm doing | 20 |
| I should have been an English major | 10 |
| This makes more sense now | 45 |
| Almost ready to debug | 60 |
| Clean Compile! | 95 |
| Segmentation Fault | NULL |
| debugging | 5 |
| Cheap | 70 |
| I should have finished this last night | 5 |
| Almost done | 80 |
| Finished! | 100 |
| Forgot to add that little feature | 35 |
| Seg Fault! | NULL |
| this I'm playing Skyrim | 100 |

