

Introduction to Python

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Outline

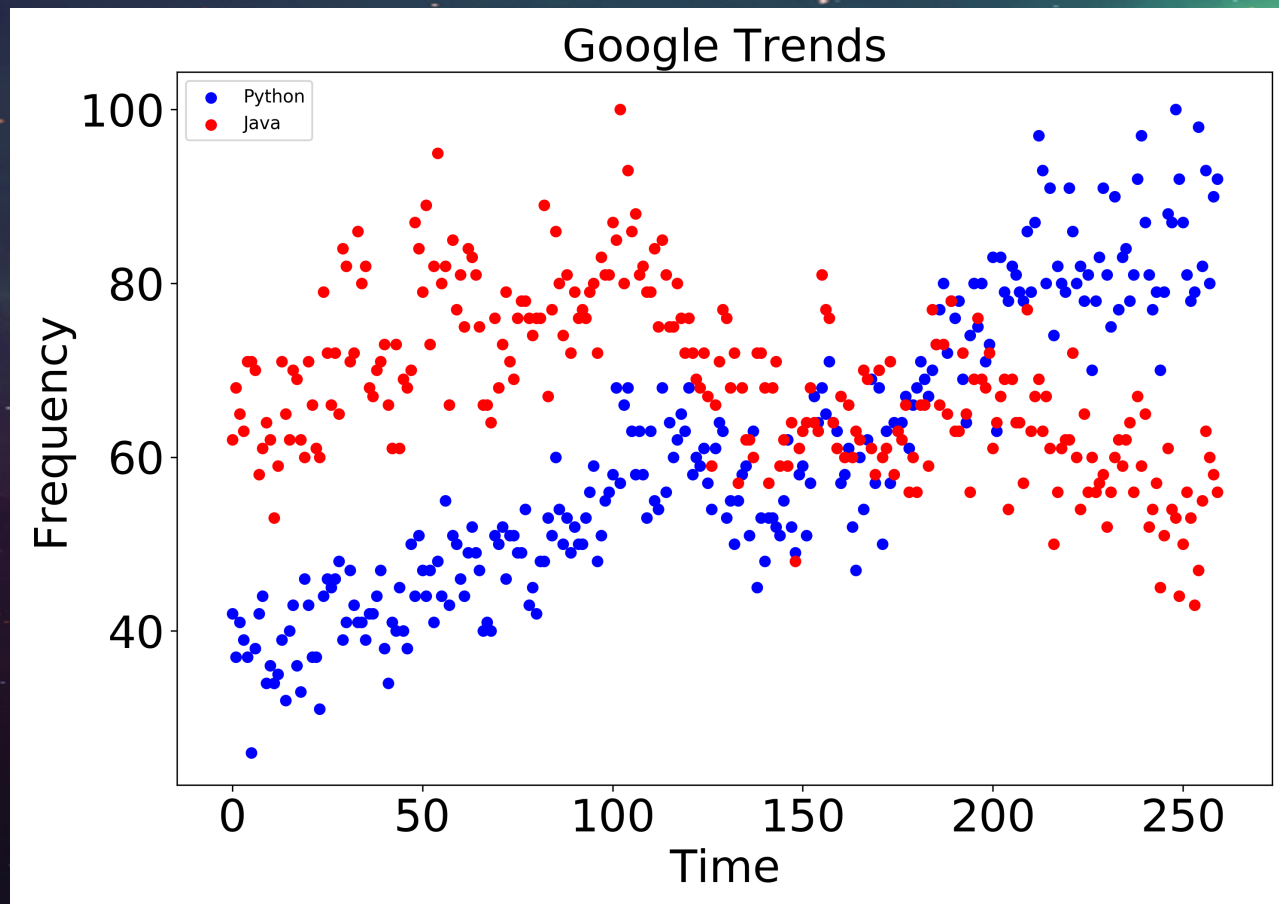
- **Introduction**
- **Fundamentals**
- **Functions**
- **Classes**
- **Files**
- **External Libraries**
- **Packaging**

Python

“[Python] is a high-level, dynamically typed, object-oriented, interpreted programming language.” -Wiki

It has many uses in web programming, scripting, scientific computing, and artificial intelligence.

It is growing in popularity every year (especially in STEM).



Pros/Cons

Pros

- › Readability
- › Object Oriented
- › Multiparadigm
- › Huge Community
- › Libraries usually online
- › Great at scripting
- › GUIs

Cons

- › Memory Management
- › Compiled at runtime
- › Backwards Compatibility

I am switching to Jupyter notebook after this but the slides are in html format so you can open with any browser