

Python for Deep Learning

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Why Python for ML yes?!



Ease of Use

Mainstream

Packages

Ease of Use

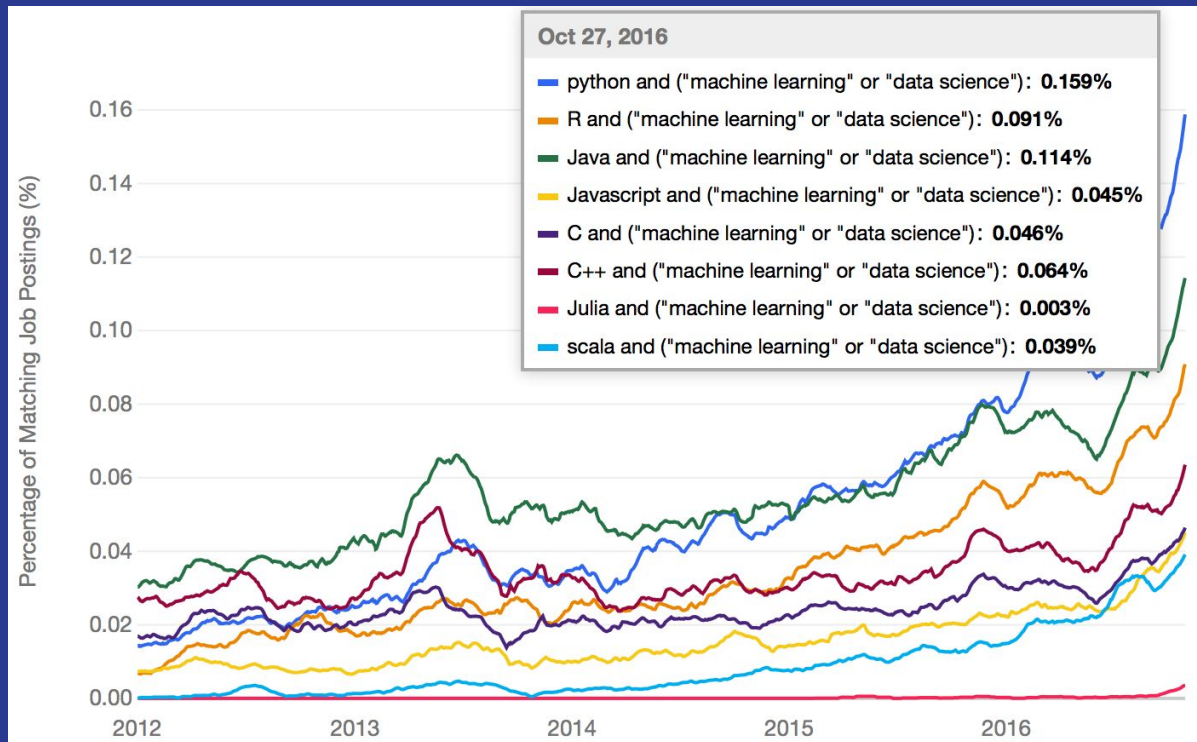
Sometimes the concepts of Linear Algebra, Calculus are so complex, that they take the maximum amount of effort.

- Readability
 - Easy to Learn
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Mainstream

Stack overflow in 2017:

“Python shot to the most wanted language this year”.



PACKAGES



PACKAGES EVERYWHERE

NumPy

stands for 'Numerical Python'

- Mathematical and logical operations on arrays
- Fourier transforms and routines for shape manipulation
- built-in functions for linear algebra

Pandas

- Read/Write and file manipulation
- missing data handling
- flexible reshaping
- group by, subsetting, merging



Matplotlib

Get to know your data
by visualization

