

Do you have any doubts about whether I  
did the right thing by enrolling in a Data  
Science programme?



**Google Trends** is a public web facility of Google company based on Google Search, that shows how often a particular search-term is entered relative to the total search-volume across various regions of the world, and in various languages.

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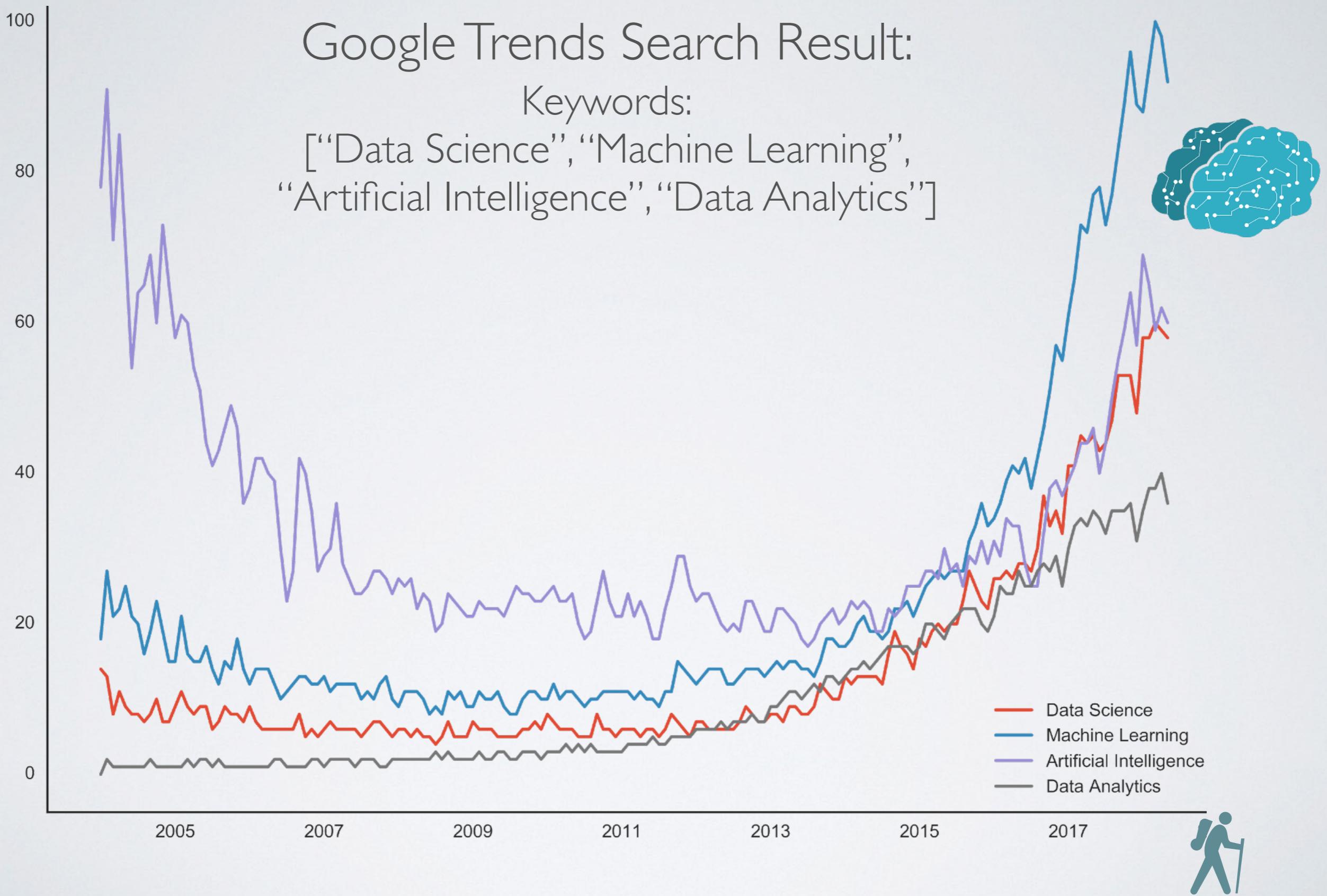
**GitHub** is a web-based hosting service for version control. It is mostly used for computer code. GitHub repositories are commonly used to host open-source software projects and known as the largest host of source code in the world.

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The **wisdom of the crowd** is the collective opinion of a group of individuals rather than that of a single expert. A large group's aggregated answers to questions involving quantity estimation, general world knowledge, and spatial reasoning has generally been found to be as good as, but often superior to, the answer given by any of the individuals within the group.

# Google Trends Search Result:

Keywords:  
[“Data Science”, “Machine Learning”,  
“Artificial Intelligence”, “Data Analytics”]





Am I effectively  
investing in my  
career?

- Business Administration
- Data Science
- International Relations
- Computer Engineering
- Molecular Biology



# PYTHON

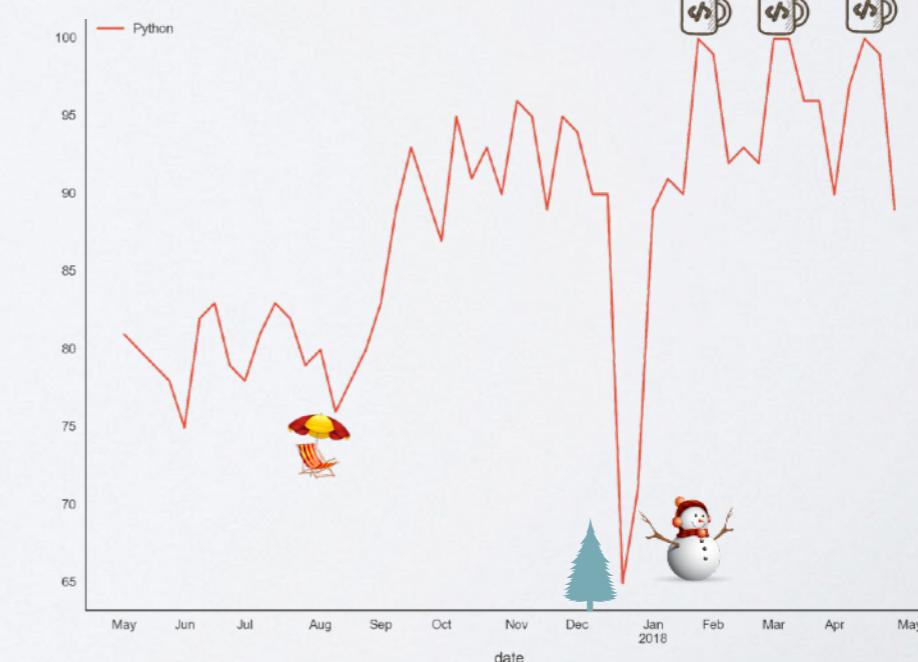
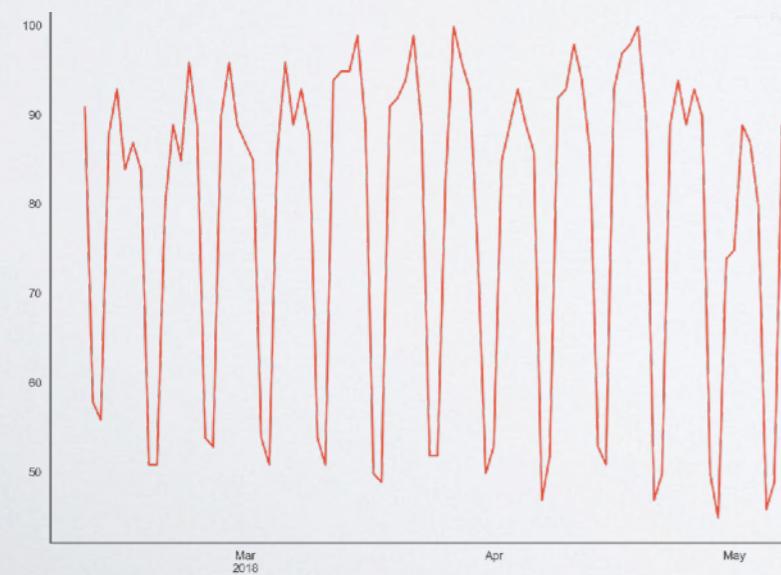
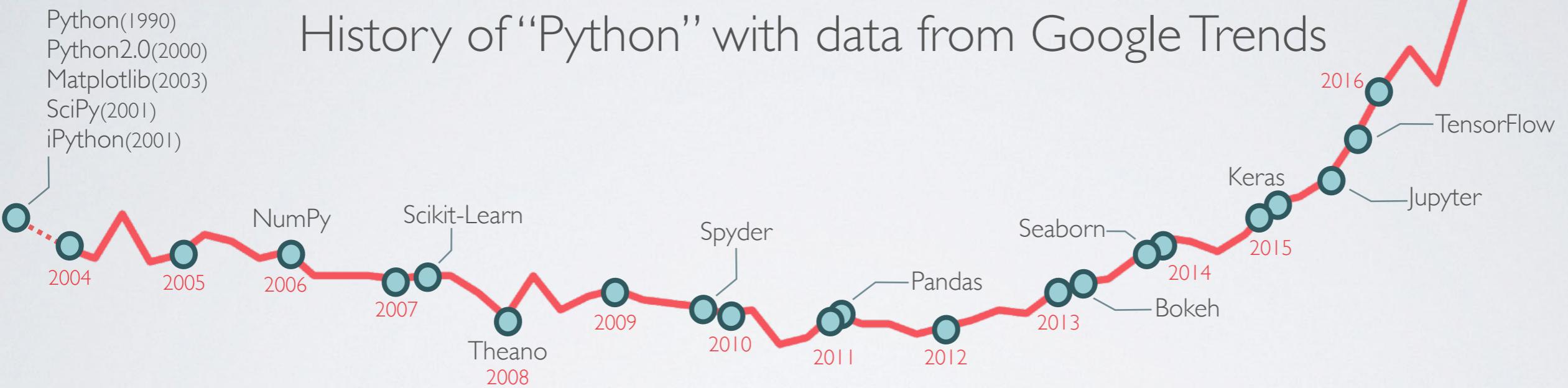
and Python Libraries



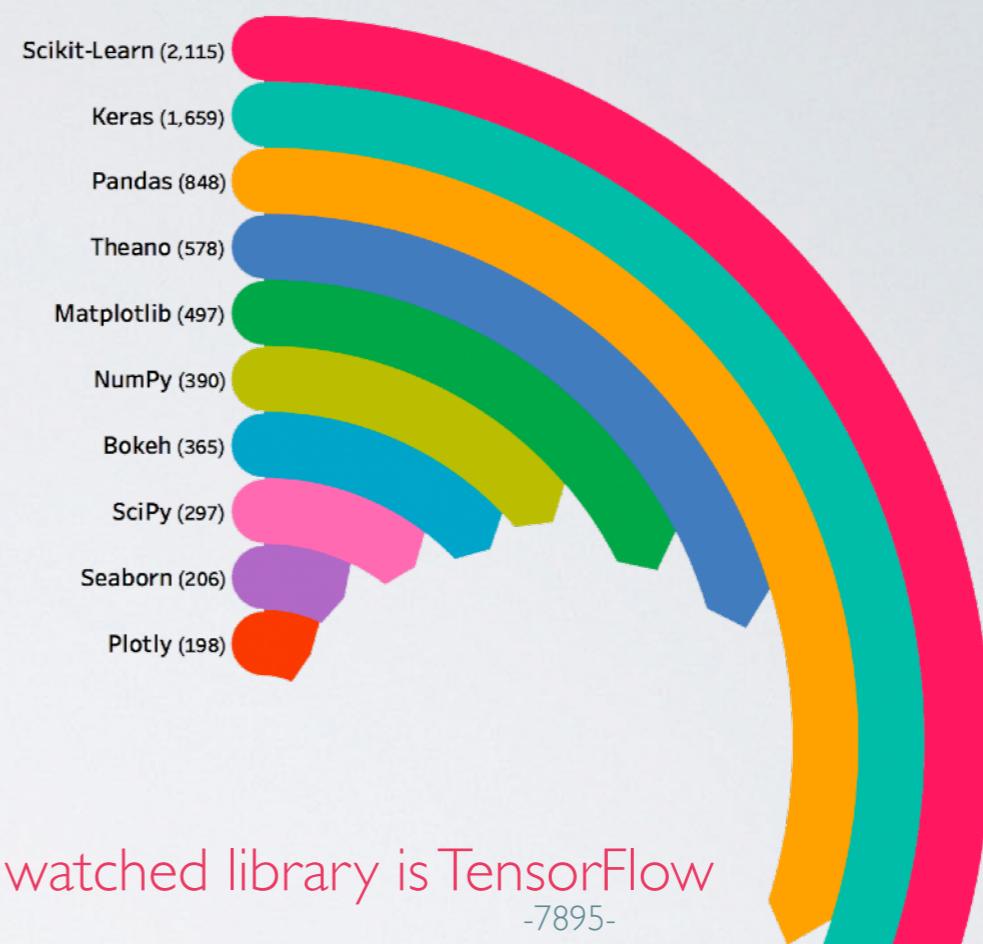
To the moon!

# “PYTHON” AT GOOGLE SEARCH OVER THE COURSE OF 14+ YEARS?

## History of “Python” with data from Google Trends



# WHAT ARE THE MOST WATCHED PYTHON LIBRARIES IN GITHUB?



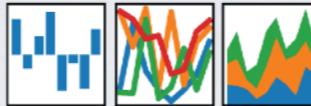
The most watched library is TensorFlow



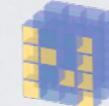
Watching a Repository registers the user to receive notifications on new discussions, as well as events in the user's activity feed.

pandas

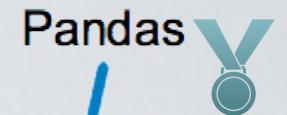
$$y_{it} = \beta' x_{it} + \mu_i + \epsilon_{it}$$



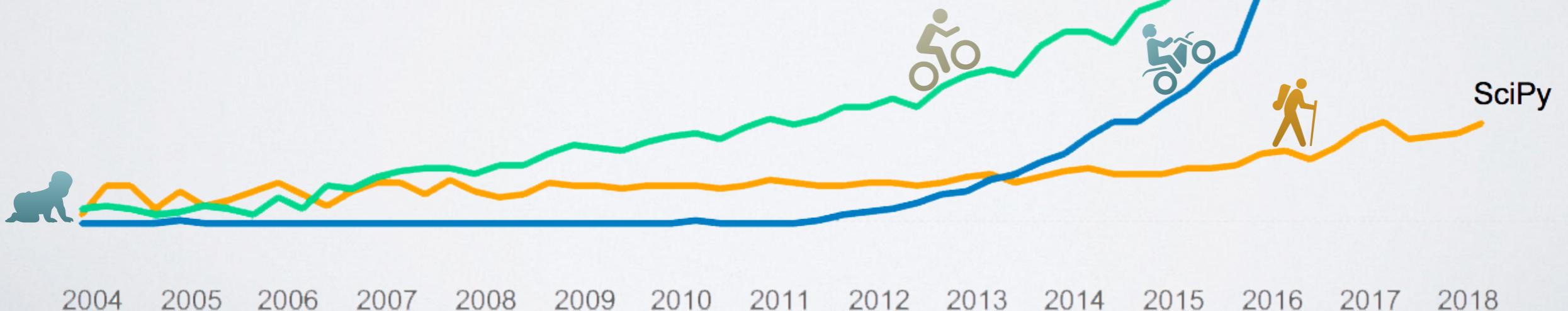
SciPy



NumPy



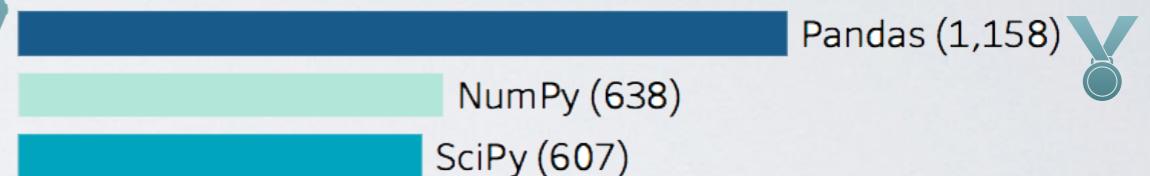
# WHICH CORE PYTHON LIBRARY IS TRENDING?



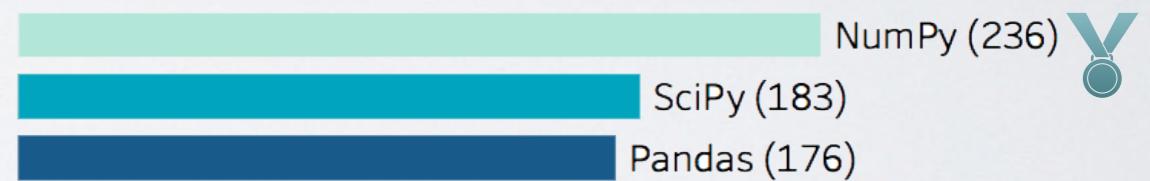
# SOME GITHUB STATS OF CORE PYTHON LIBRARIES



GitHub Contributors



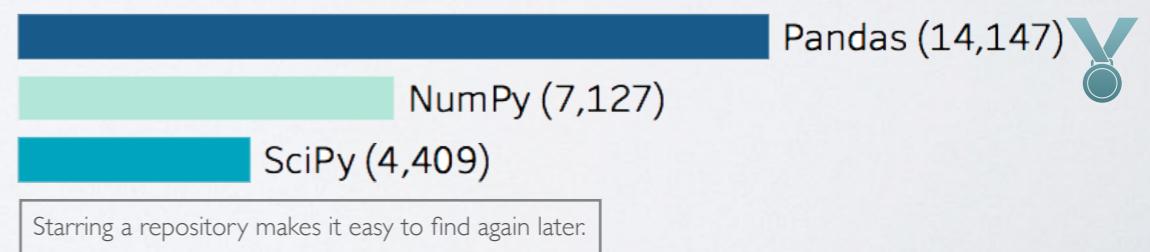
GitHub Pull Requests



Pull requests let you tell others about changes you've pushed to a GitHub repository.



GitHub Stars

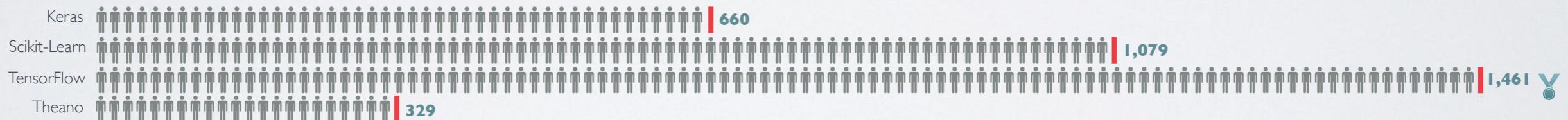


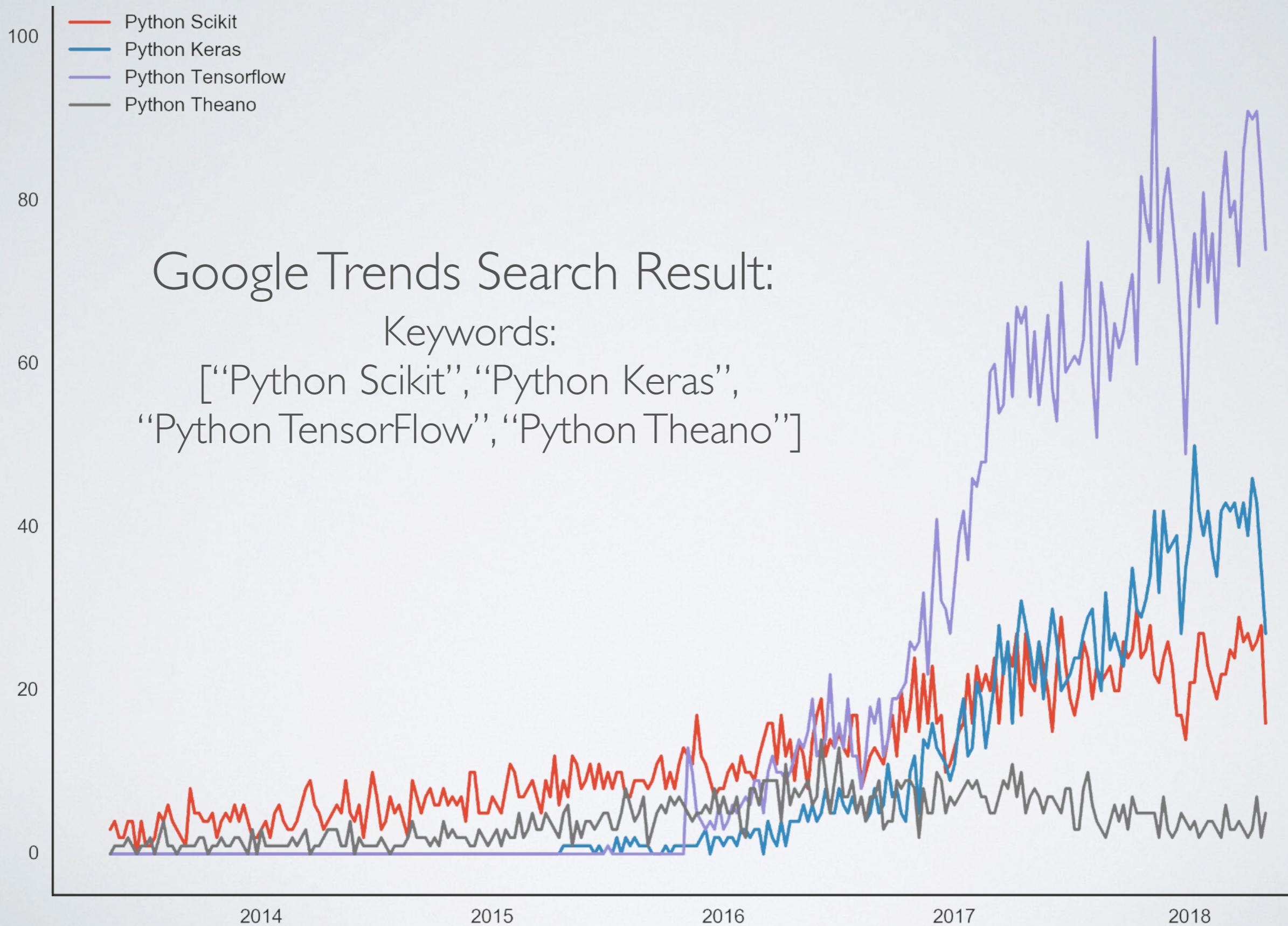
Starring a repository makes it easy to find again later.

# PYTHON MACHINE LEARNING LIBRARIES



## theano





“Python is powerful... and fast;  
plays well with others;  
runs everywhere;  
is friendly & easy to learn;  
is Open”

—[python.org](http://python.org)