

Why Python for Data Science

DONI RUBIAGATRA

DATA SCIENCE INDONESIA JATIM

About Me

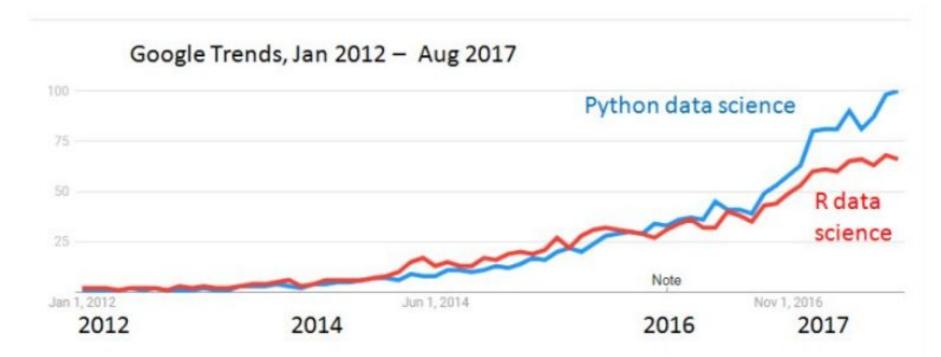


- Doni Rubiagatra, @rubiagatra
- B.Sc in Mathematics at ITS Surabaya
- Co-Founder surabaya.py, Internal DSI Jatim,
 Co-Organizer Golang Surabaya
- Back End Engineer kumparan
- Pycon Korea, Malaysia, Indonesia, APAC

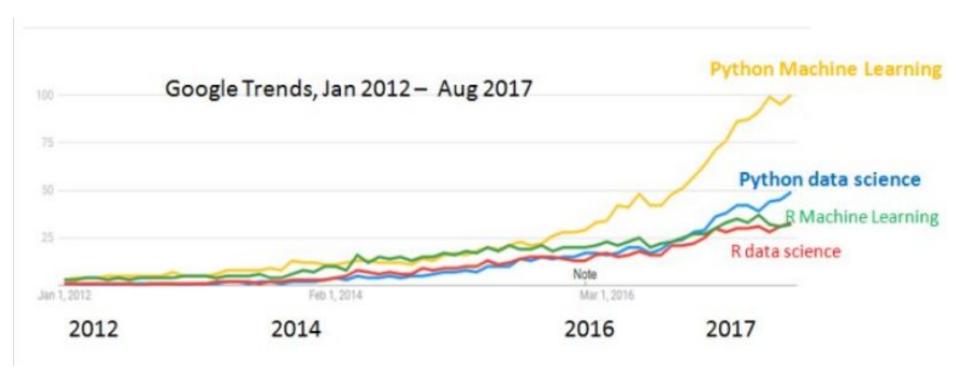


Why Python is the Best Language for Data Science?









PRODUCT Data Scientist

APPLY

Responsibilities

- Analyzing complex, incomplete, and large data, from internal and external databases
- Providing insights based on data, includes data visualization, inference statistics, predictive modeling, machine learning, and presentation
- . Extracting data from RDBMS, Non RDBMS, and external data to make dashboards for other divisions
- Improving and monitoring product features based on performance data

Requirements

- Bachelor or Master degree in Mathematics, Statistics, Computer Science, or related fields
- · Experienced using RDBMS and Non RDBMS (MySQL, PostgreSQL, MongoDB)
- · Experienced using data analysis tools, i.e: Excel (Spreadsheet), R, Python, etc
- · Having passion in databases, data analysis, statistics, modeling, and machine learning
- · Minimum 2 years experience in the same field are preferred



← Back to Technology

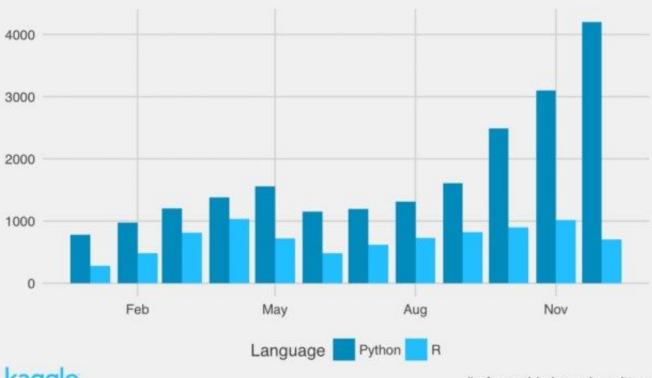
Data Scientist

The focus of our data science team is to work on highly scalable data-driven products that have massive impact on the business. If you are passionate in finding patterns in big data and

Requirements

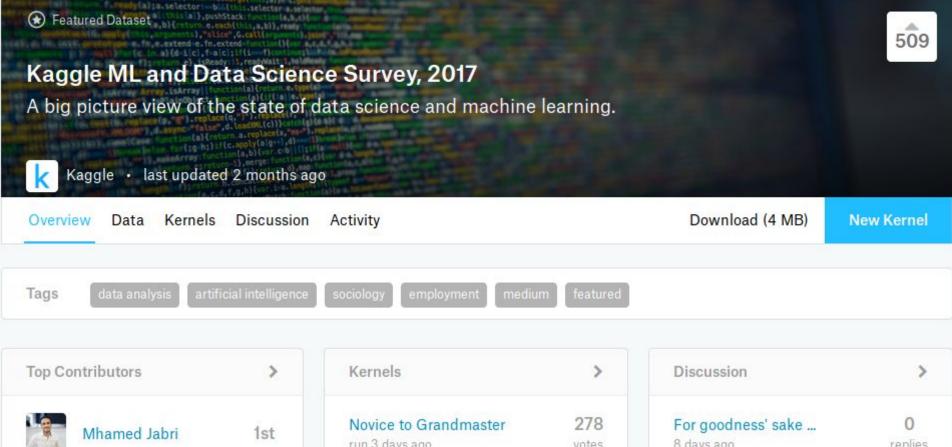
- · Minimum Bachelor's degree in quantitative field, e.g. Math, Physics, and Computer Science
- · Minimum 1 year of working experience as Data Analyst, Data Scientist, Data Engineer, or similar position
- · Have passion in big data, data mining, and machine learning
- Proficient in programming language, i.e : Python, R, Scala, etc
- · Have natural curiosity and desire to learn
- Proficient in several modeling techniques including but not limited to: Clustering, SVM, Linear/Non-Linear Modeling, Random Forests, ANN, etc.
- High spirit in model testing and validation to create accurate and consistent models
- Comfortable in mining unstructured dataset and processing it to become usable dataset
- Familiar with relational/NoSQL database, SQL, and ETL process
- Good communication skill for both oral and written
- · Have knowledge in big data tools such as Hadoop and Spark is a plus
- · Participation in Kaggle is a plus



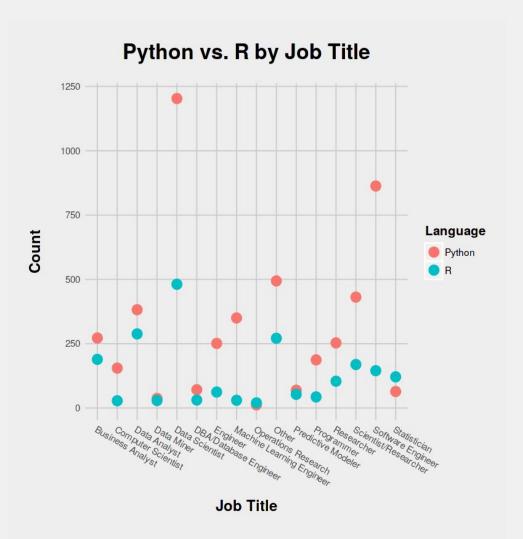


kaggle

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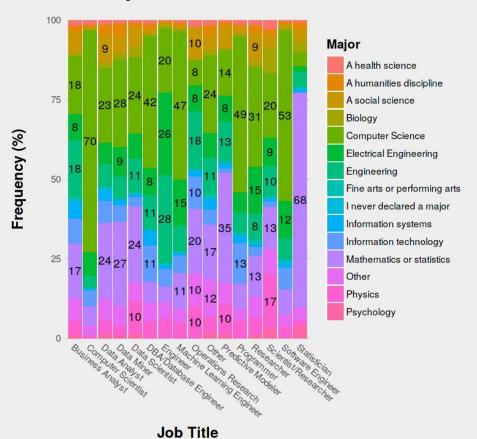
run 3 days ago 8 days ago votes replies 263 What do Kagglers say about ... In schema.csv, what's the dif... 2nd .Coder run 4 days ago votes 15 days ago reply





Major vs. Job Title







	All	Data Scientist	Software Engineer	Researcher	Machine Learning Engineer
1	Python	Python	Python	Python	Python
2	SQL	SQL	SQL	R	Jupyter
3	R	R	Jupyter	Jupyter	TensorFlow
4	Jupyter	Jupyter	Unix	MATLAB	Unix
5	Unix	Unix	Java	TensorFlow	SQL
6	TensorFlow	AWS	AWS	SQL	R
7	AWS	Spark	NoSQL	Unix	AWS
8	Tableau	TensorFlow	R	С	С
9	Java	Hadoop	TensorFlow	Java	Java
10	NoSQL	Tableau	С	Excel	MATLAB

Python is Dominant in DS



- More general-purpose and practical than R
- More productive and flexible than Java and C++
- Better ecosystem than Ruby and JavaScript

 Python is a good all-rounder, but it's only #1 in data science, machine learning and Al

Python's Most Popular



What programming language do you mostly use for AI?

78%

thestateofai.com

Most Popular Technologies per Dev Type: Math & Data

55.5%

insight.stackoverflow.com



Let's Hands On!