To Find Most Valued Data Science Skills

Greetings,
My Name is Vinayak Patel. My team is Olga Shiligin (London) and Sudhan Maharjan (New York). We are graduate students at CUNY School of Professional Studies.
I am writing to you to request your participation in a brief survey. The Purpose of the survey is find out most valued data science skills for New data scientist like us.

The survey will be live from Oct 17th to Oct 20th. We are trying to reach many IT Professionals As we can. Please feel free to forward link in your network. We will really appreciate.

Your participation in the survey is completely voluntary. No personally identifiable information will be associated with your responses to any reports of these data.

Should you have any comments or questions, please feel free to contact me at
vinayak.patel45@spsmail.cuny.edu

*Required

General Information

1. **Gender** *
   Mark only one oval.

   ◯ Female

   ◯ Male

   ◯ Prefer not to say

2. **Select the country you currently live in.**
Mark only one oval.

○ United States

○ Australia

○ Brazil

○ Canada

○ Colombia

○ Czech Republic

○ Denmark

○ Germany

○ India

○ Italy

○ Mexico

○ Netherlands

○ New Zealand

○ Poland

○ Portugal

○ Russia

○ South Africa

○ Sweden

○ Taiwan

○ United Kingdom

○ Other

3. **Are you related to IT Profession?**
Mark only one oval.

○ Yes   *Skip to question 4.*

○ No   *Stop filling out this form.*

○ Maybe   *Skip to question 4.*

Most Valued Data Science Skills - Survey

4. **What's your age?**

_____

5. **Are you currently enrolled as a student at a degree granting school?** *
Mark only one oval.

○ Yes

○ No

6. Which highest level of formal education have you attained?
Mark only one oval.

- ( ) I did not complete any formal education past high school
- ( ) Some college/university study without earning a bachelor's degree
- ( ) Bachelor's degree
- ( ) Master's degree
- ( ) Doctoral degree

7. Which best describes your undergraduate major?
Mark only one oval.

- ( ) Social Science
- ( ) Biology
- ( ) Computer Science
- ( ) Electrical Engineering
- ( ) Engineering (non-computer focused)
- ( ) Fine arts or Performing arts
- ( ) Information Technology, Networking, or System Administration
- ( ) Management Information Systems
- ( ) Mathematics or statistics
- ( ) Physics
- ( ) Other: _____

8. Are you currently focused on learning data science skills either formally or informally? *
Mark only one oval.

- ( ) Yes, I'm focused on learning mostly data science skills
- ( ) Yes, but data science is a small part of what I'm focused on learning
- ( ) No, I am not focused on learning data science skills

9. What's your current employment status? *
Mark only one oval.

- ( ) Employed full-time
- ( ) Employed part-time
- ( ) Independent contractor, freelancer, or self-employed
- ( ) Not employed, but looking for work
- ( ) Not employed, and not looking for work
- ( ) Retired
- ( ) I prefer not to say

10. **Select the option that's most similar to your current job/professional title (or most recent title if retired)**
Mark only one oval.

○ Business Analyst

○ Computer Scientist

○ Data Analyst

○ Data Miner

○ Data Scientist

○ DBA/Database Engineer

○ Engineer

○ Machine Learning Engineer

○ Operations Research Practitioner

○ Predictive Modeler

○ Programmer

○ Scientist/Researcher

○ Software Developer/Software Engineer

○ Statistician

○ Other: _____

11. **How long have you been learning data science and/or working in the data science field?** *

Mark only one oval.

○ < 1 Year

○ 1 - 2 years

○ 3 - 5 years

○ 5 - 10 years

○ > 10 years

12. **How useful did you find these platforms & resources for learning data science skills?**
Check all that apply.

	Very useful	Somewhat useful	Not Very useful	Not at all useful
College/University	☐	☐	☐	☐
Blogs	☐	☐	☐	☐
Personal Projects	☐	☐	☐	☐
Online courses (coursera, udemy, edx, etc.)	☐	☐	☐	☐
Friends network	☐	☐	☐	☐
Company internal community	☐	☐	☐	☐
YouTube Videos	☐	☐	☐	☐
Textbook	☐	☐	☐	☐

13. **What programming language would you recommend most to learn first to new data scientist?**
    *

Mark only one oval.

- ⬭ Python
- ⬭ R
- ⬭ SQL
- ⬭ Java
- ⬭ Matlab
- ⬭ C/C++/C#
- ⬭ SAS
- ⬭ Other: _____

14. **What programming language would you recommend must need to have as data scientist?** *

Mark only one oval.

- ⬭ Python
- ⬭ R
- ⬭ SQL
- ⬭ Java
- ⬭ Matlab
- ⬭ C/C++/C#
- ⬭ SAS
- ⬭ Other: _____

15. **How important do you think the below skills or certifications are in getting a data science job?**

Mark only one oval per row.

	Unnecessary	Nice to have	Necessary
Amazon Machine Learning	⬭	⬭	⬭
Big Data	⬭	⬭	⬭
College Degree	⬭	⬭	⬭
Data Visualizations	⬭	⬭	⬭
Enterprise Tools	⬭	⬭	⬭
Google Cloud	⬭	⬭	⬭
Hadoop/Hive/Pig	⬭	⬭	⬭
IBM SPSS	⬭	⬭	⬭
Java	⬭	⬭	⬭
Microsoft Excel	⬭	⬭	⬭
NoSQL	⬭	⬭	⬭
Oracle Data Mining/ Oracle R Enterprise	⬭	⬭	⬭
Python	⬭	⬭	⬭
R	⬭	⬭	⬭
Relational data	⬭	⬭	⬭
SAS	⬭	⬭	⬭
SQL	⬭	⬭	⬭
Tableau	⬭	⬭	⬭

16. **How useful did you find these Non-Technical Skills for data science skills? (0 Not useful - 5 most useful)**

Mark only one oval per row.

	0	1	2	3	4	5
Intellectual curiosity						
Business acumen						
Communication skills						
Teamwork						
Collaboration						
Creative Thinking						
Problem Solving						
Active Learning						
Perceptiveness						
Interpersonal Skills						
Generating Hypotheses						

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