

# DATA SCIENCE



**Datamites**  
Global Institute for Data Science

Artificial  
Intelligence (AI)

**NEWSLETTER  
VOLUME -5**

**Datamites**  
Global Institute for Data Science

# 5 Common Data Science Interview Questions

The important moments of your big career change are going to take place with your potential interviewer. After an intense training schedule, you would have started fine tuning your technical knowledge on the subject to face these moments. It is indeed a big career break and you are expecting it to be fruitful but “what happens if you got stumped with least expected questions in the interview?”

Well, that is not going to happen if you scroll further to look at our “Common Data Science Interview questions”. True, any company, be it a start up or a tech giant, they want to recruit only the best Data Science candidates since all their work is crucial and highly contribute to the growth of their business. When you prepare for the interview, it is essential that you need to graze upon the allied areas of Big Data such as [Machine Learning](#), Artificial intelligence, Text learning, etc to show that you have strong domain knowledge. You need to give equal preference in honing your communication skills, attitude, aptitude, domain expertise and technical knowledge in order to win your interviewer’s heart.

No worries, every question that has been aimed at you is what you have already learned. Here is the compilation of common [Data Science interview](#) questions to overcome to your nail biting moments with full confidence.

**1) Which programming language do you prefer to use for Text Analytics?**

The best possible answer to this question is “Python”. The reason being, the Pandas library present in Python, provides easy to use data structures and solid data analysis tools.

**2) What does the term linear regression signify?**

A statistical technique that is commonly used to model the relationship between two variables by fitting a linear equation to the observed data. Here, one variable X is considered as an explanatory variable and the other variable Y is called as a dependent variable.

**3) What is derived from A/B testing?**

Crucial insights are derived by testing two variables namely A and B from a purpose driven Campaign. We can identify which variable performs better than the other and can help you to make informed decisions.

**5) Can you state the difference between interpolation and extrapolation?**

When you estimate a value within two known values in a sequence of values then it is called as Interpolation where as the extrapolation is an estimation of a value that we derive at when you extend the known sets of values beyond the certainly known area.

These were the frequently asked questions in the analytics interview and apart from these; you can also expect questions from languages too. After your intense training from [DataMites™ Institute](#), start preparing for the interview the same way.

**Artificial Intelligence Technology that will dominate in 2019**

**1) Natural Language Generation:**

We are surrounded by millions and millions of data which can be processed only by computers. When these data are converted into natural language texts with the help of AI, then it enables computers to communicate the ideas with perfect accuracy. Just like a human analyst who looks at the data and presents it in a story form, computers will turn the data into an easy-to-read language. In simple words, Data goes inside, and language comes out.

## 2) Speech Recognition:

Just a few years before, you might be wondering how a machine can understand your voice and bring the results. With the invention of Speech recognition, we keep hearing voices of Alexa, Siri or Google assistant every day. More and more voice recognition systems are created and are continuously developed so that their inability to capture few words due to variations of pronunciation can be evaded completely. We can soon ex

## 3) Virtual Agents:

A computer program capable of interacting effectively with humans and solving their queries is called a Virtual agent. The favorite example that we can say for a Virtual agent is chat bots. Currently, virtual agents are used in customer service and support and as a smart home manager. It uses Machine learning to process the data from loads of articles and provides accurate and reliable solutions immediately. *So, are you ready to say wave your hand to a virtual agent?* Some of the companies offering Virtual agents are Creative Virtual, Google, Apple, Amazon, Microsoft, and IBM.

#### 4) Machine Learning Platforms:

Machine Learning is the subfield of Artificial Intelligence which develops techniques that allow the machines to learn by itself. Machine Learning platforms are now immensely popular, and they are currently used for prediction and classification. Some of the companies into selling ML platforms are Fractal Analytics, Amazon, H2O, Adext, and Google. Adext AI is particularly important because this tool applies AI and machine learning techniques to the digital advertising to bring more profitable audience or demographic group for a particular ad

#### 5) Biometrics:

Pretty much every Smartphone use your fingerprints and face as a key to unlock, but it is essential to concentrate on some more biometric for a secure, faster and a better experience. *Isn't it? When a technology identifies, measures and analyses your behavior, wouldn't it be easier for it to make natural interactions?* If Interactions based on touch, speech, image, and body language recognition are does effectively then it is going to create a huge difference. The companies working in developing biometric-based applications are Affective, 3VR, Face First, Agnitio, and Sensory.

## 6) AI optimized hardware:

When we need to execute AI tasks, it is necessary to have CPUs and processing devices structured to support this. AI technology is transforming the hardware components of a computer into a user-friendly if you have not heard about them, not to worry as there will be a ubiquitous presence soon. AI optimized silicon chips that can be fitted to any of your devices are getting ready at a fast pace. Some of the companies into this AI optimized hardware creation is Intel, Cray, Google, Alluviate, IBM, and Nvidia.

## 7) Decision Management:

The changing business environment demands faster and more reliant development. *Wouldn't it be helpful if you execute automated decisions pretty fast at this scenario?* It sure does. When machines start introducing rules and logic to AI systems, it will help the organization considerably in their initial setup process, an ongoing maintenance process and systems tuning. Some of the companies into this business is Advanced Systems Concepts, Pegasystems, Informatica, Maana, and UiPath.

### 9) Deep Learning Platforms:

Deep Learning is the subset of ML which in turn is the subset of AI. Similar to ML platforms, Deep Learning platforms are being developed and are currently used to recognize the patterns and classify all the applications that are only compatible with large-scale data sets. Deep Learning mimics our human brain and has complicated neural circuits that process data and create patterns for decision making. Some of the companies dwelling in Deep Learning options are Fluid AI, Deep Instinct, Ersatz Labs, Peltarion, Math Works and Saffron Technology.

### 10) Robotic Process automation:

Think of a scenario where you hire a professional and pay a hefty amount for a specific job that can be easily performed at a low cost by inheriting **Robotic Process Automation**. Certain Specific human tasks or jobs that are either expensive or inefficient can be replaced with scripts and methods that mimic and automate humans. A notable example is Adext AI, which automates mechanical and repetitive tasks in the digital advertising process.

# Big Data Lake Summit

Big Data Lake Summit will bring together industry professionals and thought leaders from the field of Data Visualization and Data Analytics to address the big data, data analytics, etc questions and share best practices in both a business-focused perspective and in a technical perspective. It will help you in understanding and implementing data visualization in your business/for your client. It will also provide an excellent opportunity to interact and network with some of the top minds.

*DATE: Friday, September 27, 2019*

*TIMING: 8:45 AM – 5:00 PM IST*

*VENUE: Novotel Bengaluru Outer Ring Road*

*41, Tech Park P 41/1, 2, Marathahalli*

*Sarjapur Outer Ring Rd, Kariyamma Arahara,*

*Bellandur Bengaluru, Karnataka 560103*

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# Job Listings

## Job Listings For 0 – 5 Years

### Data Scientist

#### **JP Morgan Chase & Co**

Years: 0 - 5

Location: Bangalore

Key Skills: Experience in SQL, Big Data.

Salary: Not Disclosed

Posted On: 10 September

[Apply](#)

### Senior Data Scientist

#### **Walmart Labs India**

Years: 3 - 5

Location: Bangalore

Key Skills: Python, R, Machine learning, Deep learning, JAVA.

Salary: Not Disclosed

Posted on: 8 September

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Data Scientist

**OLA (ANI Technologies PVT LTD)**

Years: 3- 5

Location: Bangalore

Key Skills: machine Learning, Python ,Deep learning, R, SQL.

Salary: Not Disclosed

Posted On: 10 September

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Junior Data Scientists

**Ninelaps**

Years: 0 - 2

Location: Bangalore

Key Skills: Python, R, Machine learning, Deep learning, JAVA.

Salary: Not Disclosed

Posted on: 11 September

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Senior Data Scientist

**New Technology Services**

Years: 3 -5

Location: Bangalore

Key Skills: machine Learning, Python ,Deep learning, R, SQL.

Salary: Not Disclosed

Posted On: 11 September

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Senior Data Scientist

**Swiggy**

Years: 2-4

Location: Bangalore

Key Skills: Python, R, Machine learning, Deep learning, JAVA.

Salary: Not Disclosed

Posted on: 10 September

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Senior Data Scientist

**Amazon Web Services**

Years: 3 - 5

Location: Bangalore

Key Skills: machine Learning, Python ,Deep learning, R, SQL.

Salary: Not Disclosed

Posted On: 11 September

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Machine Learning Data Scientist

**Endelman Financial Engines**

Years: 0-5

Location: Bangalore

Key Skills: Python, R, Machine learning, Deep learning, JAVA.

Salary: Not Disclosed

Posted on: 10 September

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Data Scientist

**Udaan .com**

Years: 0 - 2

Location: Bangalore

Key Skills: machine Learning, Python ,Deep learning, R, SQL.

Salary: Not Disclosed

Posted On: 10 September

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Data Scientist

**Agrim Corporate Services Limited**

Years: 2-4

Location: Bangalore

Key Skills: Python, R, Machine learning, Deep learning, JAVA.

Salary: Not Disclosed

Posted on: 2 September

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**Job Listings For 5-10 Years**

Senior Data Scientist

**PayPal**

Years: 5 - 10

Location: Bangalore

Key Skills: machine Learning, Python ,Deep learning, R, SQL.

Salary: Not Disclosed

Posted On: 9 September

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Data Scientist

**Amazon**

Years: 5 -10

Location: Bangalore

Key Skills: Python, R, Machine learning, Deep learning, JAVA.

Salary: Not Disclosed

Posted on: 7 September

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Senior Data Scientist

**Airtel X Labs**

Years: 5 - 10

Location: Bangalore

Key Skills: machine Learning, Python ,Deep learning, R, SQL.

Salary: Not Disclosed

Posted On: 8 September

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Data Scientist

**A Leading Professional Services Firm**

Years: 7 - 10

Location: Bangalore

Key Skills: Python, R, Machine learning, Deep learning, JAVA.

Salary: Not Disclosed

Posted on: 9 September

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Lead Data Scientist

**Huquo**

Years: 0 - 5

Location: Bangalore

Key Skills: machine Learning, Python ,Deep learning, R, SQL.

Salary: Not Disclosed

Posted On: 11 September

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Data Scientist

**Viteos Fund Services**

Years: 7 -10

Location: Bangalore

Key Skills: Python, R, Machine learning, Deep learning, JAVA.

Salary: Not Disclosed

Posted on: 8 September

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Senior Data Scientist

**Chainalytics**

Years: 8 - 10

Location: Bangalore

Key Skills: machine Learning, Python ,Deep learning, R, SQL.

Salary: Not Disclosed

Posted On: 6 September

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Senior Data Scientist

**Miljorens**

Years: 5 -10

Location: Bangalore

Key Skills: Python, R, Machine learning, Deep learning, JAVA.

Salary: Not Disclosed

Posted on: 6 September

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