ChatGPT
for Data Science Interview

ChatGPT can help candidates understand and clarify complex concepts, algorithms, and methodologies commonly encountered in data science interviews. Whether it's discussing machine learning algorithms, statistical techniques, or data preprocessing methods, ChatGPT can provide detailed explanations and examples to enhance understanding.

Product Sense and Business Applications

Selecting the Metric
How do I measure the impact of a search toolbar change, which metric would you use?

Product Evaluation
>>> Can you help me evaluate the performance of the AI chatbot for customer service?

Business Application
>>> How do I use my data science skills to create a fraud detection application?

Churn rate
>>> Explain to me the process of predicting churn rate.

Product Analyst
>>> How do I answer: What are your strongest skills as a product analyst?

Statistics and Probability

Selection Bias
>>> What is selection bias and how do I identify and mitigate it?

Null Hypothesis
>>> Act as a data science tutor and explain a null hypothesis with multiple examples.

Z & T Score
>>> Can you explain the difference between a Z-score and a T-score? Keep the explanation beginner-level.

Probability
>>> With the help of math can you help me solve the problem: How many cards would you expect to draw from a standard deck of cards before seeing your first queen?

Programming

Coding Interview Session
>>> How do I prepare for the Coding interview session for Data Scientist position?

Stemming Coding Problem
>>> Can you solve this coding problem using Python: Given a dictionary consisting of many roots and a sentence, stem all the words in the sentence with the root forming it.

Production-ready Code
>>> How do I write production-ready code? List all of the things I have to do.

Python List
>>> You are a Software engineer, and your task is to write a Python program to check if the value exists in the list or not using the lambda function.

Data Management

Data Management Interview Session
>>> How do I prepare for the Data Management interview session for Data Scientist position? Also add samples questions.

Data Management Tools
>>> Help me answer this question for the data scientist interview session: What technology and tools do you use for data management?

SQL Query
>>> Help me write most efficient SQL query to find duplicate records in a table.

Aggregate Function
>>> Act as a Data Science tutor and explain what is an SQL aggregate function? Give some examples.

Data Analysis

Explaining the Concepts
>>> How do I explain technical concepts to a non-technical audience?

Data Cleaning
>>> I have a text classification dataset. Write Python code for data cleaning.

Data Exploration
>>> I want you to act as a data scientist and code for me. I have a dataset of 100 rows and four columns:[id, name, grade, subject]. Write R code for data visualization and exploration.

Model Development

Train Regression Model
>>> You are a data scientist, write Python code for me. I have a dataset with columns [model,hp,speed]. Please build a machine learning model that predicts speed.

Hyperparameter Tuning
>>> I have a logistic regression model, write Python code to tune hyperparameters.

Imbalance Data
>>> I have an imbalanced dataset with target column species. In python, how do I oversample and/or undersample my data?

Explain the Model
>>> I have trained a LightGBM model. Write a Python code to explain the output using a series of plots with Shap.

FAANG Questions

General
>>> Act as a data scientist at Google AI and tell me what skills, experiences, and qualities are required to secure the position.

Hypothesis Testing
>>> Act as a professional data scientist and help me prove that males on average taller than females by knowing just gender height using hypothesis testing.

Algorithms
>>> Describe decision trees, SVMs, and random forests. Talk about their advantage and disadvantages.

Activation Function
>>> Explain why Rectified Linear Unit has a good activation function to a Project Manager.

Missing Values
>>> How do I handle NULLs when querying a data set? List all of the methods.

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