DATA ANAYTICS ADS INTERVIEW QUESTIONS

"Master these Data Analytics interview questions to confidently demonstrate your data cleaning, statistical analysis, visualization, SQL querying, dashboarding, and insight-driven decision-making expertise, impress interviewers, and accelerate your career in data analytics and business intelligence roles."

- [ ] **Advanced Data Analytics Interview Questions**

- [ ] **What is the difference between Data Analytics, Data Science, and Business Intelligence?**

- [ ] **Explain the end-to-end data analytics lifecycle in detail.**

- [ ] **How do you design a data model for a large-scale analytics project?**

- [ ] **What are fact and dimension tables in a data warehouse?**

- [ ] **Explain star schema and snowflake schema with differences.**

- [ ] **What is ETL and how does it differ from ELT?**

- [ ] **How would you optimize a slow SQL query?**

- [ ] **What are window functions in SQL? Provide examples.**

- [ ] **What is indexing and how does it improve query performance?**

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- [ ] Explain normalization and denormalization with use cases.

- [ ] How do you handle missing data in large datasets?

- [ ] What are outliers and how do you detect them statistically?

- [ ] Explain A/B testing and its statistical significance.

- [ ] What is hypothesis testing and how is p-value interpreted?

- [ ] What is multicollinearity and how do you detect it?

- [ ] Explain the difference between covariance and correlation.

- [ ] What are KPIs and how do you define effective KPIs?

- [ ] How do you build an interactive dashboard? What principles do you follow?

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- [ ] What is data governance and why is it important?

- [ ] How do you validate data accuracy and consistency?

- [ ] What is time series analysis and where is it used?

- [ ] Explain cohort analysis with an example.

- [ ] What is churn analysis and how is it performed?

- [ ] What are lag and lead functions in SQL?

- [ ] How would you forecast future sales using historical data?

- [ ] What is the difference between descriptive, diagnostic, predictive, and prescriptive analytics?

- [ ] Explain variance analysis in business reporting.

- [ ] How do you ensure data security and privacy in analytics projects?