

Mathematical Statistician Interview Questions

1. Tell me how you organize, plan, and prioritize your work.

2. Share an effective method you have used to report results of statistical analyses.

3. Share an experience you had in dealing with a difficult person and how you handled the situation.

4. Share an experience in which you successfully shared a difficult piece of information. (Make sure that the candidate has open lines of communication.)

5. Share an experience when you applied new technology or information in your job. How did it help your company?

6. Tell me about an experience in which you analyzed information and evaluated results to choose the best solution to a problem.

7. Would you consider analyzing data or information a strength? How so?

8. Share an effective approach to working with a large amount of information/data. How has your approach affected your company?

9. Share an example of a time you had to gather information from multiple sources. How did you determine which information was relevant?

10. Name a time when you identified strengths and weaknesses of alternative solutions to problems. What was the impact?

11. Share a time when you successfully used scientific rules or methods to solve a problem at work.

12. Share an experience in which your understanding of a current or upcoming problem helped your company to respond to the problem.

13. Give me an example of when you thought outside of the box. How did it help your employer?

14. Share an experience in which your attention to detail and thoroughness had an impact on your last

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company.

15. Tell me about the last time you monitored or reviewed information and detected a problem. How did you respond?

16. How do you balance cooperation with others and independent thinking? Share an example. (Try to determine if the candidate has a cooperative attitude or is otherwise good-natured.)

17. Provide an example of a time when you were able to demonstrate excellent listening skills. What was the situation and outcome?

18. Tell me about some of your most recent computer programming projects.

19. Provide an example of a project you worked on that demonstrates your programming abilities. What was your role in the project?

20. Name a time when your advice to management led to an improvement in your company or otherwise helped your employer.

21. Share an experience in which you processed a large amount of data for statistical modeling and graphic analysis.

22. Tell me about a time when you developed your own way of doing things or were self-motivated to finish an important task.

23. How would you rate your writing skills? (Ask for an example that demonstrates great writing skills.)

24. Share an example of when you went above and beyond the "call of duty". (Look for answers that show the candidate is dependable.)

25. Share a time when you willingly took on additional responsibilities or challenges. How did you successfully meet all of the demands of these responsibilities? (Make sure the candidate is a self-starter and can demonstrate some initiative.)

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26. Share an effective method you have used to analyze and interpret statistical data to identify significant differences in relationships among sources of information. Share an experience.

27. Provide an effective method you have used to identify relationships and trends in data. How do you identify factors that could affect the results of research? Provide an experience.

28. Share an experience in which your ability to consider the costs or benefits of a potential action helped you choose the most appropriate action.

29. Provide an example when your ethics were tested.

30. What methods do you used to prepare data for processing?

31. Provide an example of when you were persistent in the face of obstacles.

32. Name a time when your creativity or alternative thinking solved a problem in your workplace.

33. Provide an experience in which evaluating the statistical methods and procedures used to obtain data helped you to ensure the validity, applicability, efficiency, or accuracy of data.

34. What are some long-range objectives that you developed in your last job? What did you do to achieve them?

35. Name a time when your patience was tested. How did you keep your emotions in check?

36. Describe an effective data collection method you planned for a project. How about one that was not as effective?

37. Share an effective method you have used to determine reliability or usability of sources of information.

38. Provide a time when you were able to identify a complex problem, evaluate the options, and implement a solution. How did the solution benefit your employer?

39. Tell me about a research project you designed which effectively structured uncompromised and/or

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efficient analyses.

40. Provide a time when you worked in a rapidly evolving workplace. How did you deal with the change? (Make sure the candidate is flexible.)

41. What have you found to be the best way to monitor the performance of your work and/or the work of others? Share a time when you had to take corrective action.

42. Please share an experience in which you presented to a group. What was the situation and how did it go?

43. Share an experience in which your understanding of a particular field helped you to determine whether the results of an applied statistical method were appropriate.

44. Tell me about a staff you supervised. What methods made you successful?

45. Describe an experience in which you used enumeration bases to effectively determine groups to be surveyed.

46. Share an example of when you established and accomplished a goal that was personally challenging. What helped you succeed?

47. Share an experience in which you adapted a statistical method to solve a problem in another field.

48. In your experience, what is the key to ensuring your company was compliant with all laws, regulations and standards that were applicable to your area of responsibility?

49. Tell me about a time when your ability to analyze needs and product requirements helped you create an effective design or make an informed decision to benefit your company.

50. Share an experience in which you used new training skills, ideas, or a method to adapt to a new situation or improve an ongoing one. (Look for the candidate's ability to learn.)

51. Provide an experience in which you were sensitive to someone's needs or feelings. How did your helpfulness affect your work environment?

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52. Provide a time when you dealt calmly and effectively with a high-stress situation.

53. Provide an experience that demonstrates your ability to manage time effectively. What were the challenges and results?

54. Describe an effective experimental design, sampling technique, or analytical method which you developed.

55. Tell me about the last time you oversaw the work of someone else. How did you effectively motivate, develop, and direct the worker(s)?

56. What methods do you use to examine theories to discover mathematical bases for new methods of obtaining and evaluating numerical data?

57. Share an experience in which personal connections to coworkers or others helped you to be successful in your work. (Make sure candidate works well with others.)

58. Provide an example of a time when you successfully organized a diverse group of people to accomplish a task.

59. Provide an example when you were able to prevent a problem because you foresaw the reaction of another person.

60. Please share an experience in which you successfully taught a difficult principle or concept. How were you able to be successful?

61. Share an experience in which your willingness to lead or offer an opinion helped your company.

62. Describe an experience in which you identified the educational needs of your students and successfully developed a way to teach/train them.

63. Share an experience in which you successfully coordinated with others. How about a coordination effort that was not as successful?

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64. Please share with me an example of how you helped coach or mentor someone. What improvements did you see in the person's knowledge or skills?

65. Provide an example of when you set expectations and monitored the performance of subordinates. What guidance and direction did you find most effective?