



FINANCE/ANALYTICS PREPARATION

Probability and Puzzles

For Theory :

1. A Practical Guide To Quantitative Finance Interview by [Xinfeng Zhou](#)
2. MTL 108 notes for distribution and related concepts

For problems :

Websites :

1. <https://brainstellar.com> (focus more on easy and medium questions)
2. <https://www.interviewbit.com>

Books :

1. Fifty Challenging Problems in Probability
2. Heard on street
3. Book by dhramaraja for distribution and related and concepts
4. Guesstimation for questions related to guesstimates

All books are available on this link : <https://owncloud.iitd.ac.in/nextcloud/index.php/s/wDSFRrXqRCMMHxB>

Coding

Websites :

1. <https://www.interviewbit.com>
2. <https://leetcode.com>
3. <https://www.geeksforgeeks.org>
4. <https://neetcode.io>

Books :

All books are available on this link

:<https://owncloud.iitd.ac.in/nextcloud/index.php/s/wDSFRrXqRCMMHxB>

General Tips

- Practice writing codes without using any editors as generally the interviewers ask you to write the code manually.
- Practice basic HR questions such your strengths, weaknesses. When talking about your skills, explain how you used those particular skills and in what situation. Resources to practice questions are given the doc.
- Read the guesstimation book for certain idea regarding guesstimates.

2 Months Strategy

Month 1 –

Focus on making basics strong.

- Complete 100 TOP GFG questions and neetcode.io. Attempt easy questions from Brainstellar.
- Attempt Leetcode medium and easy questions of trees, dp, graph. After that, attempt questions of array, hashmap, stack and queue.
- Read theory from *A Practical Guide To Quantitative Finance Interview* by [Xinfeng Zhou](#) of concepts that are weak. Attempt easy questions from *Brainstellar*.

Month 2 -

- Practice *Heard on Street* and revise previously done questions.
- Attempt mock test to increase confidence.
- Learn distributions and python concepts for interview.
- Practice

1 Month Strategy

- Practice top 100 GFG questions, neetcode or interviewbit.
- Make topics like dp, graph and trees strong by practicing more questions from leetcode.
- Attempt Brainstellar questions thoroughly (easy and medium only) and complete 50 problems in probability. If any concept is weak, read theory from A Practical Guide To Quantitative Finance Interview
- Refer Dharamaraja book for concepts of distributions and hypothesis testing etc.
- Give mock tests to manage time and temperament.

2 Weeks Strategy

- Coding round – practice *neetcode.io* thoroughly. Attempt few questions of each concept of Data structures and Algorithms. Questions are usually based on mixed concepts.
- Quant – practice *brainstellar* easy / medium questions and see *Fifty Challenging Problems in Probability*. In case one isn't able to solve the questions, see the solution and understand the method.
- Aptitude – questions are generally easy. Just increase speed by practicing questions from any standard source.
- Revise basic concepts of probability distributions for interview.