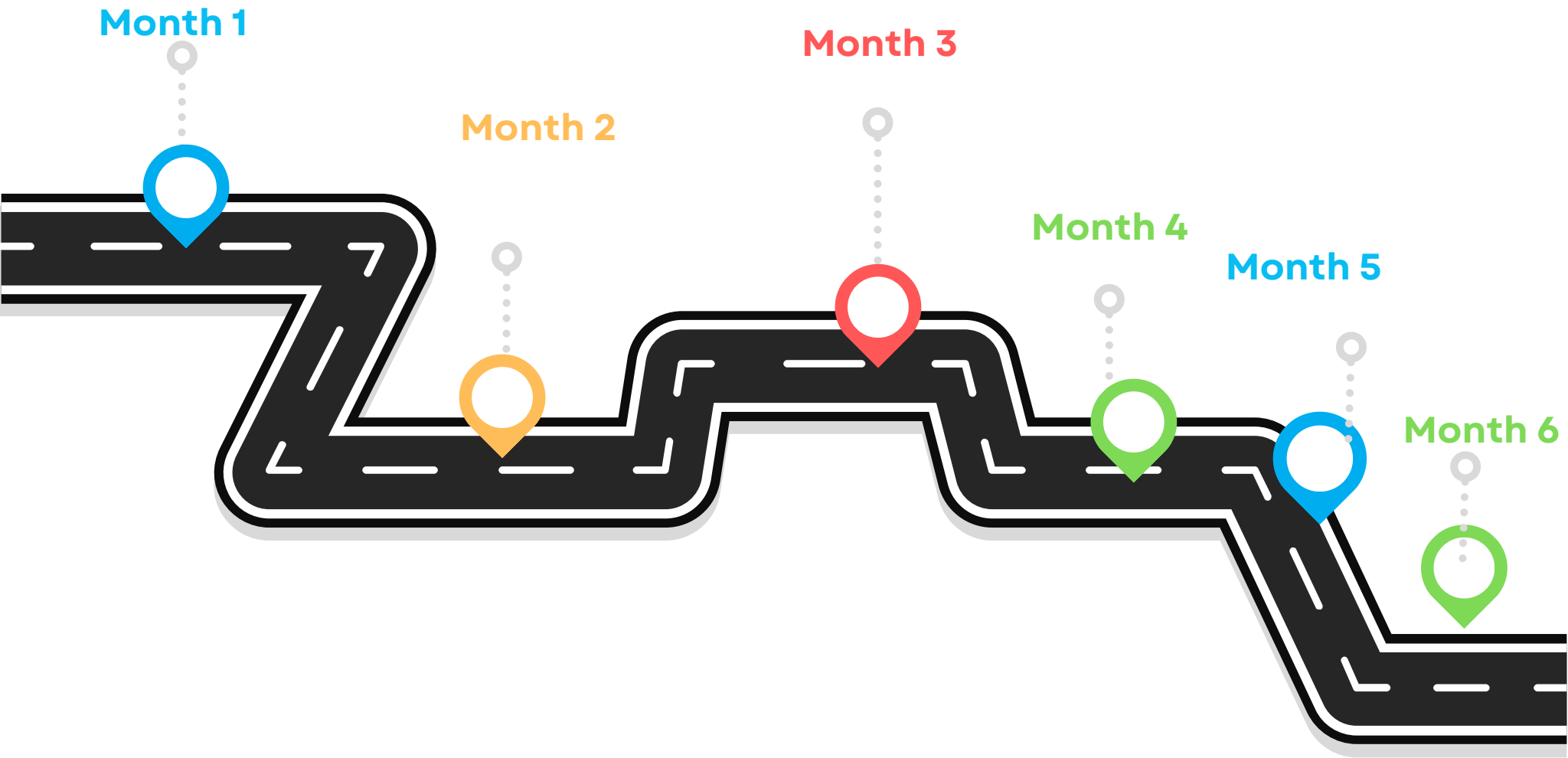


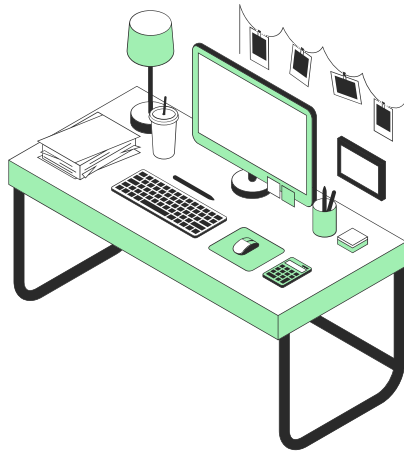


# QUANT FINANCE CHEETSHEET

## 6 Months Plan



# Month 1: Introduction to quantitative finance



Read "An Introduction to Quantitative Finance" by Paul Wilmott and complete the "Quantitative Finance for Dummies" course by Wiley

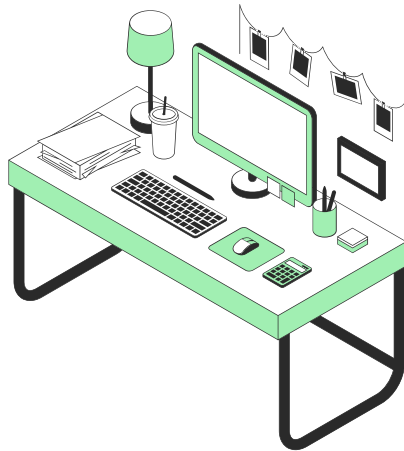
Learn about the applications of quantitative finance in the financial industry and the role of quantitative analysts. Familiarize yourself with financial concepts and terms used in quantitative finance

Keep in mind: It is important to have a solid understanding of financial concepts before moving on to more advanced topics in quantitative finance

**ASSIGNMENT: WRITE A SUMMARY OF THE MAIN APPLICATIONS AND ROLES OF QUANTITATIVE FINANCE**

**Project: Research and write a report on a real-world example of how quantitative finance is used in the financial industry**

## Month 2: Financial mathematics



Read "Financial Mathematics" by Paul Wilmott and complete the "Financial Mathematics" course by MIT OpenCourseWare

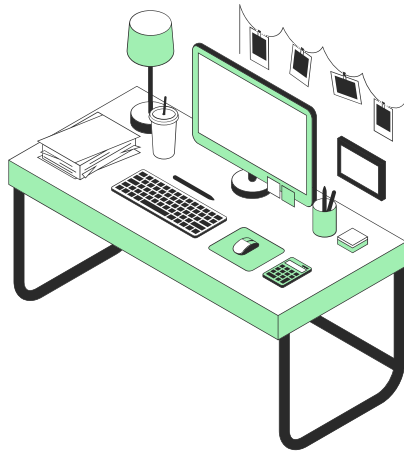
Learn about topics like compound interest, present value, and annuities Practice solving problems related to these concepts

Keep in mind: Mastering financial mathematics is essential for understanding more advanced topics in quantitative finance

Assignment: Solve a set of financial mathematics problems and write a report on your solutions

Project: Use financial mathematics to analyze and compare different investment strategies

# Month 3: Probability and statistics



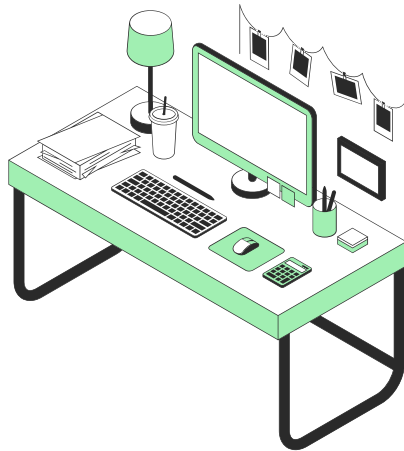
Read "Introduction to Probability" by Joseph K. Blitzstein and Jessica Hwang and complete the "Probability" course by Khan Academy

Learn about probability theory, statistical inference, and data analysis Practice solving problems related to these concepts

Keep in mind: Understanding probability and statistics is crucial for analyzing and predicting financial outcomes

Project: Use probability and statistics to analyze and predict the performance of a financial asset

# Month 4: Stochastic calculus



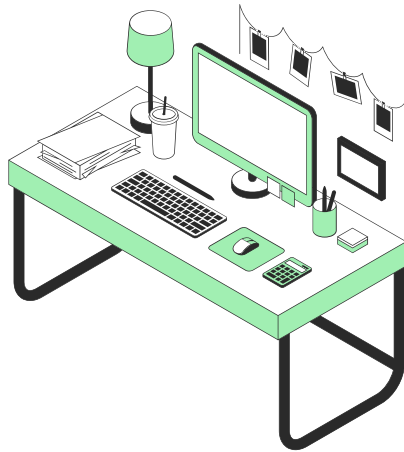
Read "Stochastic Calculus for Finance" by Paul Wilmott and complete the "Stochastic Calculus" course by MIT OpenCourseWare

Learn about the applications of stochastic calculus in quantitative finance. Practice solving problems related to stochastic calculus

Keep in mind: Stochastic calculus is a key tool for modeling and analyzing financial systems with uncertainty

Project: Use stochastic calculus to model and analyze the risk of a financial portfolio

# Month 5: Quantitative finance models



Read "The Mathematics of Financial Derivatives" by Paul Wilmott and complete the "Quantitative Finance" course by Coursera

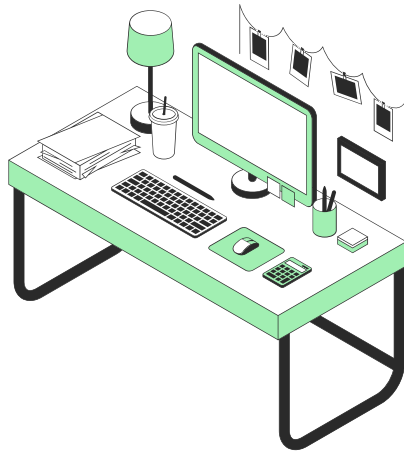
Learn about options pricing models, risk models, and portfolio optimization models  
Practice implementing these models using mathematical formulas and algorithms

Keep in mind: Quantitative finance models are used to make informed decisions in the financial industry

Assignment: Implement a quantitative finance model using mathematical formulas and algorithms and write a report on your results

Project: Use a quantitative finance model to analyze and make recommendations for a real-world financial decision

# Month 6: Programming for quantitative finance

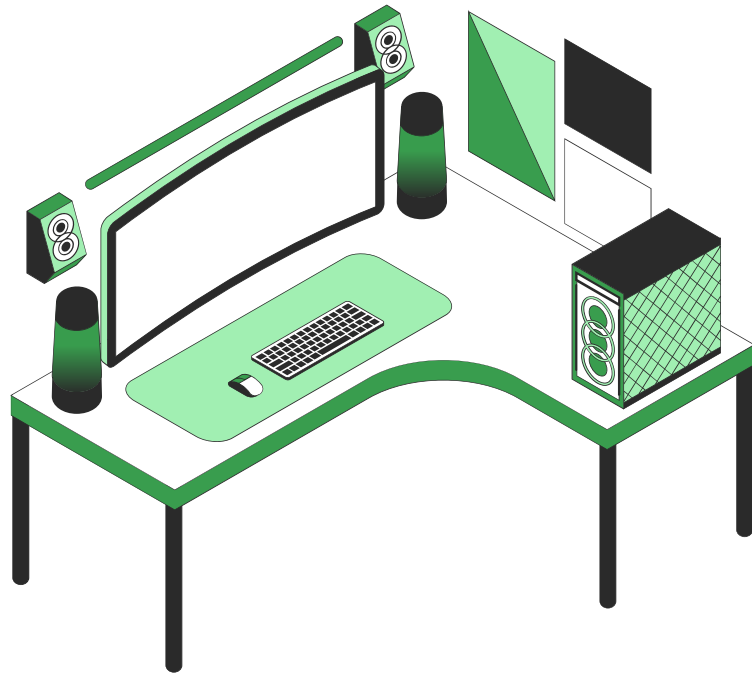


Complete the "Python for Finance" course by Coursera or the "R for Finance" course by DataCamp (depending on the language you choose to learn)

Learn about the basics of programming and how to use it for quantitative finance Practice implementing quantitative finance models using code

Keep in mind: Quantitative finance models are used to make informed decisions in the financial industry

Keep in mind: Programming skills are essential for automating and scaling quantitative finance models



# Do you have any questions?

---

Feel free to reach out to me

Linkedin - Tribhuvan Bisen

Email -  
[tribhuvanbisenprof@gmail.com](mailto:tribhuvanbisenprof@gmail.com)