Study materials:

For learning materials, please refer to the provided Google Drive link and Youtube links:

Practical materials on MATLAB (youtube links):

https://www.youtube.com/watch?v=YWUPhgHpSBM&t=3s

https://www.youtube.com/watch?v=9IsOH4gAtv4&t=3s

C language learning materials:

https://drive.google.com/drive/folders/1JZ-B0qOgbTgZur4u6qGodNzBRKteoL6r?usp=drive_link

Teaching materials on Probability and Statistics:

- **Geometric problems on probability**

  https://www.youtube.com/watch?v=CeftV-jj6pw&t=71s

- **Problems on probability**

  https://www.youtube.com/watch?v=N3YdfBEZsuU

- **Conditional Probability**

  https://www.youtube.com/watch?v=V6D_1CLMaNM

- **Poission approximation to Binomial law**

  https://www.youtube.com/watch?v=gk9ULlBQGz0

- **Application of Baye's Theorem**

  https://www.youtube.com/watch?v=kp8gtq_M9yM

  https://www.youtube.com/watch?v=8nPXwjOPhwk

  https://www.youtube.com/watch?v=6ePP7dSBi7o

- **Baye's Theorem on probability**

  https://www.youtube.com/watch?v=VUxxHmRSAEk

- **Find the probability of the union of two events**

https://www.youtube.com/watch?v=m1ioR5tVcKU&t=4s

- **Events**

  https://www.youtube.com/watch?v=AF2I9xiGt5U

- **Problem on alternatives series**

  https://www.youtube.com/watch?v=Vicb3GaxFPc

- **Theorem on sequence of events**

  https://www.youtube.com/watch?v=Ra8xZBsK_yE

- **Problem 4 on Fermat's theorem**

  https://www.youtube.com/watch?v=1IygXR4WpQ4&t=115s

- **Theorem 2 on Divisibility test**

  https://www.youtube.com/watch?v=0vR2erlJmTA

- **Theorem 1 on Greatest integer function**

  https://www.youtube.com/watch?v=GCWw5rx9o8I

- **Random experiment and examples**

  https://www.youtube.com/watch?v=K9S25r6at1M

- **Theorem3 relation between Euler's Phi-function and Mobius function**

  https://www.youtube.com/watch?v=1fJhRdcEKcY

- **Problem 1, 2 on Fermat's theorem**

  https://www.youtube.com/watch?v=dUSRTgjwNko

- **Bernnoulii trial**

  https://www.youtube.com/watch?v=OaiHrG93jYQ

- **Statistical definition and Axiomatics definition of probability**

  https://www.youtube.com/watch?v=Pvq1IvqP1x0

- **Classical definition of probability**

  https://www.youtube.com/watch?v=AGeW-kLguvQ

- **Null events**

  https://www.youtube.com/watch?v=PgvXAbX7wss&t=11s

- **Disjoints events**

  https://www.youtube.com/watch?v=lbTFOYYlKjc

- **Sample spaces**

  https://www.youtube.com/watch?v=GJbqOfdnKHU&t=20s

- **Mobius function is multiplicative**

  https://www.youtube.com/watch?v=m6EMlyaIjjI

- **Theorem 2 on Mobius function**

  https://www.youtube.com/watch?v=PqLUfIaBIqk

- **Definition and example of Mobius function**

  https://www.youtube.com/watch?v=hdHRG6Wo32Q&t=8s

- **Problem on Pythogorean triplet**

  https://www.youtube.com/watch?v=nzs1h-zJ5X4

  https://www.youtube.com/watch?v=oXwOXji1XHM&t=15s

  https://www.youtube.com/watch?v=jcC7XtWJghA

  https://www.youtube.com/watch?v=v7ggVSryF24

- **Definition and example on Pythogorean triplet**

  https://www.youtube.com/watch?v=zFHreKJM_lM

- **Primitive Pythogorean triplet**

  https://www.youtube.com/watch?v=3E_OU9rJePs

- **Wilson's Theorem**

  https://www.youtube.com/watch?v=hTGot5NZWyI&t=45s

- **Every absolute convergence implies convergence but converse is not true**

  https://www.youtube.com/watch?v=CHyB0amAsU8&t=26s

- **Assignment on Euler-Phi function**

  https://www.youtube.com/watch?v=ra_BGeYPVxQ

- **Problem 2, 3 on Euler Phi-function**

  https://www.youtube.com/watch?v=G5Q1R_zJlq8&t=13s

  https://www.youtube.com/watch?v=wzxyOJtqvqA&t=31s

- **Euler Phi-function**

  https://www.youtube.com/watch?v=X0gfBjvF5PQ