Statistical Inference for Data Science using R/Python

Tentative Duration
4-5 Hours

Course Content

- Introduction to Statistical Inference/Hypothesis testing
- Why do we need to know about Hypothesis Testing?
- Fundamentals _
    - Null/Alternative hypothesis (how to formulate?), one-tailed/two-tailed test (how to choose), level of significance, confidence interval, p—value, critical value, confusion matrix, type-I error, type-II error (which one is worse), testing procedure, etc.
- Understanding Data Types
- Selecting appropriate statistical tests (univariate, bivariate & multivariate tests)
- Parametric vs non-parametric tests
- Use cases for bivariate tests
- R/Python implementation
- Interpretation of results

What will you get?

Apart from Data files, Code files, presentations, web-resources, list of recommended readings, any other material used in the workshop, practice exercises, group discussion and participants will get access to guide to interview questions, utilizing Q/A forums, etc.

Bonus: Quick tips for data visualization, and EDA (Exploratory Data Analysis)

What's unique in this course?

It's not a traditional theoretical stats course. Here, we will learn application-based concepts many times using web applets, and simulations. Also, we would be practically applying our learning to different data sets.

Prerequisites:

For python based courses: participants should be comfortable with basic python coding [must have]

For R based courses: participants should be comfortable with basic R coding [must have]

Course Fee: Rs.500/- or $10 per participant

How to make payments for the course?

1. For bank transfer:

    Name: Nisha Arora

    Account Number: 244701000695

    IFSC Code: ICIC0002447

2. For UPI payments like Paytm/ Phonepe/ Google Pay, please scan the QR code given below.

nishaarora4@icici

How to register for the master class?

1.	Make payment for the course by using NEFT/IMPS to bank account or by using any UPI platform.

2.	Take a screenshot of the transaction.

3.	Fill out registration form at https://forms.gle/JgUiYMwbB3NZ3t2x6

You will need to upload the screenshot of the transaction in the form in order to submit.

Once we receive the same, we will confirm within 24 hours.

Other information:

Mode of training: Online mode.
Platform: free conference call
For in session query handling: chat or Q/A option
For after session group discussion: Gmail/Google group
Recorded Video's available: Yes for 3 months
Material sharing: Google drive

I want to get updates about upcoming programs, where can I get information/notification about the same?
You can join my Whatsapp group or follow me on LinkedIn to get updates about my programs (master class/full training)
On LinkedIn, I share my knowledge about Statistics, data analysis, machine learning, R, Python & much more.
Whatsapp group is admin only group, where you can get updates or some useful material from me.
For free tutorials, subscribe to my YouTube channel: https://www.youtube.com/c/DrNishaArora

Courses offered by me:
Full courses:
- R for Data Science
- Python for Data Science
- Machine Learning Foundation
- Statistics for Data Science Using R/Python

Master Classes:
- Data visualization & storytelling
- statistical inference/hypothesis testing using r/python
- python programming for beginners
- production ready r coding
- r markdown & dashboards for beginners

Online Course(s)_Udemy:
Python Pandas for Analytics & Data Science