R FOR RESEARCHERS

2nd SARA Data Science Summer School

July 25-29, 2025 | Sonipat (HR)

Welcome!

Savitribai Ramabai (SARA) Institute of Data Science is a non-profit organization dedicated to inclusive education. We offer free and low-cost training in **coding, English, and data skills** for all. Thank you to our students and donors for supporting us. We are proudly supported by **The Ambedkar Educational Society, Sonipat.**

All the best to all the participants.

Dr. Ajay & Dr. Kiran
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DAY 1 - FRIDAY 25 JULY 2025

Time	Activity	Notes
08:30 AM to 09:15 AM	Breakfast	
09:30 AM to 10:00 AM	Welcome Ceremony - Candle Lighting	
10:00 AM to 11:30 AM	Class Session 1	Introdcution to R
11:30 AM to 12:00 AM	Break	
12:00 AM to 01:30 PM	Class Session 2	Introduction to RStudio
01:30 PM to 02:30 PM	Lunch	
02:30 PM to 03:45 PM	Class Session 3	Introduction to Quarto
03:45 PM to 04:00 PM	Break with Tea	
04:00 PM to 05:30 PM	Class Session 4 Wolf Riepl, Germany	Functional Programming in R and tidyverse
07:30 PM to 08:30 PM	Dinner	

DAY 2 - SATURDAY 26 JULY 2025

Time	Activity	Notes
08:30 AM to 09:30 AM	Breakfast	
10:00 AM to 11:30 AM	Class Session 1	Quarto + Markdown
11:30 AM to 12:00 AM	Break	
12:00 AM to 01:30 PM	Class Session 2	Code Chunk + R Object
01:30 PM to 2:30 PM	Lunch	
02:30 PM to 03:45 PM	Class Session 3	Data Wrangling
03:45 PM to 04:00 PM	Break for Tea	
04:00 PM to 05:30 PM	Class Session 4 Dr. Cecilia Baldoni Bio-statistician, Germany	Data Wrangling with the {tidyverse}
07:00 PM to 08:00 PM	Dinner	

DAY 3 - SUNDAY 27 JULY 2025

Time	Activity	Notes
08:30 AM to 09:30 AM	Breakfast	
10:00 AM to 11:30 AM	Class Session 1	Presenting Data
11:30 AM to 12:00 AM	Break for Tea	
12:00 AM to 01:30 PM	Class Session 2	Presenting Data
01:30 PM to 2:30 PM	Lunch	
02:30 PM to 03:45 PM	Class Session 3	Probability + Z-score
03:45 PM to 04:00 PM	Break for Tea	
04:00 PM to 05:30 PM	Class Session 4 Anirban Shaw, R & Shiny Expert, India	Data Storytelling with R: From CSV to Interactive Visualization using Shiny
07:00 PM to 08:00 PM	Dinner	

DAY 4 - MONDAY 28 JULY 2025

Time	Activity	Notes
08:30 AM to 09:30 AM	Breakfast	
10:00 AM to 11:30 AM	Class Session 1	Presenting Data
11:30 AM to 12:00 AM	Break for Tea	
12:00 AM to 01:30 PM	Class Session 2	Presenting Data
01:30 PM to 2:30 PM	Lunch	
02:30 PM to 03:45 PM	Class Session 3	Probability + Z-score
03:45 PM to 04:00 PM	Break for Tea	
04:00 PM to 05:30 PM	Class Session 4 Dr. Lito P Cruz, Principal Data Science Consultant, Australia	Hypothesis Testing & Forecasting by Regression
07:00 PM to 08:00 PM	Dinner	

DAY 5 - TUESADY 29 JULY 2025

Time	Activity	Notes
08:30 AM to 09:30 AM	Breakfast	
10:00 AM to 11:30 AM	Class Session 1	Presenting Data
11:30 AM to 12:00 AM	Break for Tea	
12:00 AM to 01:30 PM	Class Session 2	Presenting Data
01:30 PM to 2:30 PM	Lunch	
02:30 PM to 03:45 PM	Class Session 3	Probability + Z-score
03:45 PM to 04:00 PM	Break for Tea	
04:00 PM to 05:30 PM	Class Session 4 Betsabe Laila Cohen, Sociologist & R expert, Argentina	Code to Paper: Reproducible Research with Quarto
07:00 PM to 08:00 PM	Dinner	

Your Feedback

Name: