



# The 15th CHPC & 7th NITheCS Coding Summer School on Foundations in Data Science & Computational Thinking

**27 January – 7 February 2025 | 09h30 – 16h00 (Mon – Fri)**  
Attend at a designated university / research location in Southern Africa

## Learn the fundamentals of data science & scientific computing for research

### The School offers:

- Daily lectures, code-alongs, interactive tutorials, and assignments.
- STEM talks by experts from diverse fields.
- Light snacks and refreshments.
- Certification for eligible candidates.

### Content

#### WEEK 1

- Data Science with Pandas
- Python Best Practices
- Workflow management: Extract, Transform, Load
- Exploratory Data Analysis
- Bash Fundamentals

#### WEEK 2

- Computational Thinking
- Probability Theory and Statistics
- Machine Learning
- Artificial Intelligence

### Who can apply?

- Registered postgraduate students in South Africa & certain SADC countries.
- Researchers and professionals in industry.

A background in Python programming is required, more details on this on the registration website:  
<https://events.chpc.ac.za/event/145/>

### Where to attend

Attend at your university, list of available locations on the website. Space is limited.

### How to register

- Registration is free. Note, no accommodation or travel costs will be covered.
- Follow the registration link or scan the QR code, then complete your details and submit the form. After registering, please complete the entrance test found also on the registration website.
- Successful candidates will be notified within a month after registration and completion of the entrance test.

**REGISTER:**

<https://bit.ly/3AdPTme>



Register by 13 December 2024