Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

www.tcd.ie/ssp/CPD/

Trinity College Dublin
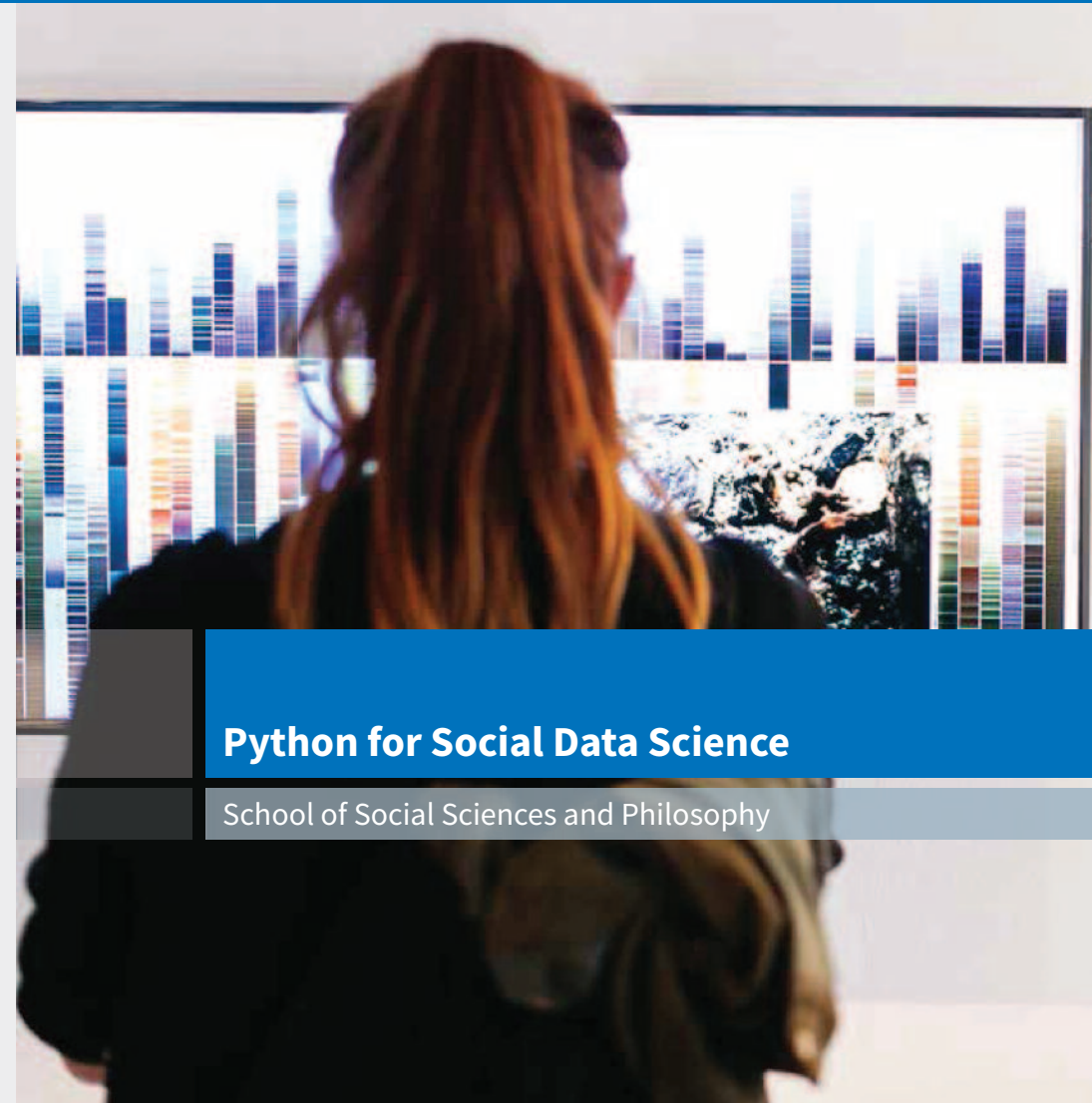Coláiste na Tríonóide, Baile Átha Cliath
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Why study a Continuing Professional Development Programme with the TCD School of Social Science & Philosophy?

This suite of CPD programmes will enable professionals to enhance their skills in data science and trains participants in the fundamental knowledge and skills of social data analysis. These modules have been co-created with key industry partners to address the scarcity of training in data science in Ireland. Some of the benefits of the modules include:

- **Learn in the environment of Ireland's top university**
- **Courses taught by leading Trinity academics**
- **Earn a Certificate of Completion in the selected CPD programme**
- **Access to Trinity's Virtual Learning Environment – Blackboard**
- **Short courses with flexible modes of delivery**
- **Small class sizes**

Who is this course for?

Working professionals from the private and not-for-profit sectors. Managers; HR professionals; product developers; market researchers; service providers; marketers / brand managers and compliance officers from the financial, insurance, legal, IT and consumer products / services industries.

Rialtas na hÉireann
Government of Ireland

FUTURE JOBS
IRELAND
Preparing Now for Tomorrow's Economy

HCI
Human Capital Initiative

Python for Social Data Science

School of Social Sciences and Philosophy

Contact — **School of Social Sciences and Philosophy**

Shane Fitzgerald,
External Relations Manager: fitzgs10@tcd.ie

Dr. Tom Paskhalis,
Module Lecturer: Tom.Paskhalis@tcd.ie

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Python for Social Data Science

Python for Social Data Science will introduce participants to basic computer programming skills for social data analysis. In particular, it will introduce participants to the Python programming language, which is a state-of-the-art tool for data analysis. The aim is for participants to acquire basic programming skills.

What topics will you cover?

Python for Social Data Science introduces participants to the core programming concepts e.g., functions, variables, conditions, loops, data structures, working with libraries. It also covers data management and visualization. Best practices in project workflow and version control will be introduced using Github. Participants will engage with the material in a hands-on environment, which will include coding homework/exercises throughout the CPD.

How is the course delivered?

The CPD will be delivered over 6 weeks. The course will be fully online with two 2 hour classes per week and 1 hour of preparatory online instruction. In order to be awarded the Certificate of Completion for Python for Social Data Science, participants will need to have completed all required CPD exercises.

Cost

The CPD fee is €1,500.

Register at **www.tcd.ie/ssp/CPD**

On successful completion of this CPD, participants will be able to:

- Describe basic programming terminology, structures, and conventions.
- Demonstrate familiarity with the Python programming language, including the ability to write, execute and debug scripts for social data analysis.
- Design project workflows through GitHub
- Perform data wrangling and visualization tasks using Python.