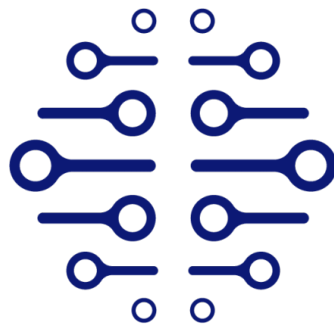


The background features a network diagram on a blue gradient. It consists of several white circles of varying sizes connected by dashed white lines, creating a web-like structure that recedes into the distance.

Learn

Tech.... the research frontier

Dammit Jim! I'm a doctor, not a software engineer.
Expert training by researchers for researchers from Intersect



Learn

Delivered by Intersect's team of experts, our portfolio of training courses are designed to introduce practical and research-relevant tools and technologies to researchers.

Ranging from introductory to advanced, and covering concepts from Data Collection, Management, and Analysis to Software, Programming, and Advanced Computing, Intersect's training courses will help researchers maximise productivity.

We continually monitor and update our courses to stay relevant and useful. Researchers at Intersect member organisations can enjoy free training courses funded through their organisation's membership package. We also offer training for non-members on a fee-for-service basis.

Course Descriptions

Introduction to Data Visualisation Techniques

Data visualisation can help make sense of your data, reveal new insights, and communicate research outcomes to others clearly and persuasively in a visual manner.

Big Data Research

This foundational course caters for students across a range of research areas, demonstrating the prospects and challenges of big data in research.

Intermediate to Advanced Programming in R

R is quickly gaining popularity as a programming language for statisticians, data scientists and researchers.

Intermediate to Advanced Programming in Python

Python has deservedly become a popular language for scientific computing. It has all the friendly features and conveniences you'd expect of a modern programming language, and also a rich...

Managing Data Capture and Surveys with REDCap

This course will introduce you to REDCap, a rapidly evolving web tool developed by researchers for researchers.

Parallel Programming for HPC

Move from writing single-threaded programs into the parallel programming paradigm.

Introduction to Version Control with Git

A workshop where we cover the fundamentals of version control using the researcher-focused training modules from the highly regarded Software Carpentry Foundation.

Introduction to Programming in Julia

A live coding workshop where we write programs that produce results, using Jupyter notebooks, which allow program code, results, visualisations and documentation to be blended seamlessly.

Introduction to Programming in MATLAB

A live coding workshop where we write programs that produce results, using the researcher-focused training modules from the highly regarded Software Carpentry Foundation.

Introduction to Programming in R

A live coding workshop where we write programs that produce results, using the researcher-focused training modules from the highly regarded Software Carpentry Foundation.

Introduction to Unix

We teach how to run commands within the Bash Shell.

Software Carpentry

A live coding workshop where we write programs that produce results, using the researcher-focused training modules from the highly regarded Software Carpentry Foundation.

Using Databases & SQL

Moving from spreadsheets and text documents to a structured relational database can be a steep learning curve, but one that will reward you many times over in speed, efficiency...

Regular Expressions on Command

Unix utilities allow you to search, filter and transform large amounts of text (including many common data formats) efficiently and repeatably.

Powerful Text Searching & Matching with Regular Expressions

Regular Expressions (regexes) are a powerful way to handle a multitude of different types of data. Come along to this workshop to learn what they can do and how...

Reach out by emailing learn@intersect.org.au or get in touch with...