

## Introduction to Regular Expressions

Duration	Level	Location	Cost
<b>2 hours</b>	<b>Beginner</b>	<b>At your campus</b>	<b>No cost to members</b>

Have you ever wanted to extract phone numbers out of a block of unstructured text? Or email addresses. Or find all the words that start with “e” and end with “ed”, no matter their length. Regular expressions (*regexes* for short) are a powerful way to match and make substitutions to text. Come along to this workshop to learn what they can do and how to apply them to your research.

<b>Course Content</b>	<p>This course covers the following topics:</p> <ul style="list-style-type: none"><li>• a recap of simple “find” and “replace” in text.</li><li>• how regular expressions extend on “find” and “replace”.</li><li>• how to search for phone numbers, email addresses, Twitter hashtags and handles in unstructured text.</li><li>• the syntax of regular expressions</li><li>• what text editors and programming languages support regular expressions.</li></ul>
<b>Course Delivery</b>	<p>This course is delivered as a hands on workshop by our experienced instructors. The course is held in a computer lab or as a bring your own laptop session.</p>
<b>Course Outcomes</b>	<p>You will learn:</p> <ul style="list-style-type: none"><li>• how to use the <a href="http://regexr.com">http://regexr.com</a> tool to test a regular expression against some text.</li><li>• how to construct simple regular expressions to find all capitalised words; all numbers; all words that start with a specific set of letters, etc. in a block of text.</li><li>• how to build up a complex regular expression incrementally.</li><li>• how to find helpful resources covering regular expressions on the web.</li></ul>
<b>Course suitable for</b>	<p>This course has been specifically written for researchers and higher degree research students who want to learn about how regular expressions can be used to search text in ways far more powerful than traditional “search” and “replace”.</p>
<b>Before the course</b>	<p>No preparation required. Registration is essential</p>

A course by Intersect Australia