



# Fundamentals of Data Management

## Credit Tasks 1.2.2: Advanced Regular Expressions

### Overview

As the first step, install Cygwin or VMWare Player or MinGW and open the Ubuntu/Linux environment. Then work through the text processing tasks and document your answers to the questions.

### Purpose

Learn how to use command-line tools to manipulate text without the need for an editor. Use regular expressions to search for different variations of text.

### Task

Use command line tools and regular expressions to find strings in files.

Reference: [Regular Expression Cheat Sheet](https://www.rexegg.com/regexquickstart.html) -  
<https://www.rexegg.com/regexquickstart.html>

### Time

This task should be completed in your first lab class and submitted for feedback at the end of lab 1.

### Resources

- Online modules (from Canvas)
- Regular Expressions tutorial: <https://www.rexegg.com/regex-quickstart.html>

### Feedback

- Discuss your solutions with the tutorial instructor.

### Next

End of week 1 practical.

## Credit Tasks 2 — Submission Details and Assessment Criteria

Document your solutions to the tasks in a report using a word processor and upload to Doubfire as pdf. Your tutor will discuss the tasks with you have uploaded them.

## Subtask 1.2.2

From the log file access.log, find out which browsers Linux users used to browse to the web sites. Calculate the number of Linux users in each browser.

What you are looking for is a string within quotation marks where the word Linux occurs somewhere between parenthesis which reside somewhere inside the quotation marks. Document the command and upload.