



# Fundamentals of Data Management

## Pass Tasks 1.1.4: Text Processing and 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>

### 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

Get started on Task 1.1.5

## Pass Tasks 1.1.4— 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 1.1.4

Repeat the search of task 1.1.3 but redirect the output from the console to a file called surname\_output.txt.

**Hint:** You may need to do a web search – the keyword is ‘**pip**ing’ into a file..

Submit the command that you used.