



Australian  
National  
University

# **Data and Text mining – stage 1 of Digital scholarship**

## **Project Proposal**

This project proposal documents the requirements for the delivery of data and text mining support- stage 1 of Digital scholarship.

### Document Control

| Version | Date | Author | Amendment | Distribution |
|---------|------|--------|-----------|--------------|
|         |      |        |           |              |

### Document Approval

**Supported by:**

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Date: .....

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## Contact Details

|                      |  |
|----------------------|--|
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## Background

As the scholarly world becomes increasingly digital, the Library needs to develop knowledge, capability and services to support scholars seeking to use digital resources in new and innovative ways.

The Library provides access to a large number of electronic resources (around 93% of the current collection budget) and as a consequence the ANU community increasingly expects to use the content of these resources in more complex ways. It is naïve to assume that the only expectation in using an online environment is as a search and access tool for books and journal articles. Beyond these traditional formats, scholars are now exploring deeper data analysis and text mining.

How can the Library support this? Internationally we see a movement to digital scholarship services in leading research university libraries, it is timely for ANU Library to review ANU community need in terms of support and begin to develop services in a programmatic way.

## Issue Statement

| Problem   | Other comments                                      |
|---|---|
| How can library develop and support services that enable resources to be available and used for digital scholarly activities? |   |
| What library pedagogical model suits the needs of ANU in this space?  | Could DTM instruction be added into ILP programmes? |

| Problem  | Other comments                                    |
|--|---|
| What do we need to develop to better support use of resources purchased/acquired by the Library for data and text mining at ANU as a first project?  | Note that may involve seeking changes to licences |
| For this project what needs to be developed: <ul style="list-style-type: none"> <li>As user facing information (Lib Guide)</li> <li>To create greater staff capability appropriately and support further developments</li> </ul> |   |

## Objectives

| Project Objective:                                     |   |
|--|---|
| Target Business Outcomes                               | Required Outputs (Deliverables)   |
| Better use of library acquired resources in research   | <ul style="list-style-type: none"> <li>Report</li> <li>Guidance for researchers</li> <li>Understanding of models of good practice in other universities (not limited to Australia)</li> <li>Development activity program for SIS staff</li> </ul> |
| Better use of library acquired resources for education |   |

## Strategic Fit

How does this fit into the University or SIS strategic plan?

| Priority                | Supporting Comments   |
|-------------------------|---|
| Strategic alignment     | We will be renowned for the quality of the contribution our research and education make to societal transformation.<br><a href="http://www.anu.edu.au/files/review/ANU_Strategic_Plan_2017_21.pdf">http://www.anu.edu.au/files/review/ANU_Strategic_Plan_2017_21.pdf</a><br>This project will support innovative and productive research through creating greater capabilities and access to resources. |
| Business process impact | Currently the Library does not have processes and practices to support Data and Text mining.  |
| Risks                   | Need to work closely with researchers to ensure project delivers benefits.  |

## Expected Benefits

| Benefit   | Review Date   |
|---|---------------|
| Researchers are able to fully utilise resources acquired by the library for research in new and innovative ways to support the highest quality research | December 2018 |
| Students experience the highest quality education and develop knowledge based on new digital scholarly techniques and tools.                            | December 2018 |
| Library staff develop digital capabilities that will support the digital research and teaching needs of the university                                  | December 2018 |

## Dependencies

Availability of staff time and academics availability for consultation and feedback

## Assumptions

The university will be able to tap into world's best practice

## Timescale

|                            |                |                          |            |
|----------------------------|----------------|--------------------------|------------|
| <b>Planned Start Date:</b> | September 2017 | <b>Planned End Date:</b> | March 2018 |
|----------------------------|----------------|--------------------------|------------|

### Estimated timeline for benefits realisation:

☐ 3 months   
 ☐ 3-6 months   
 ☒ 6-12 months   
 ☐ 1-2 years   
 ☐ 2+ years

## Costs

### STAFF COSTS – ESTIMATED HOURS

| Task           | Hours  | TOTAL   |
|----------------|--|---|
| Project        | Estimate 5 Library staff @ 8 hours per month | 1x SM1<br>1xANU6/7<br>1x ANU05<br>plus in house consultants |
| Implementation |  |   |
| <b>TOTAL</b>   | 40 hours x 6                                 |   |

## Approach

*Develop summary (1 page)*  
*Call for volunteers*  
*Meetings/research/analysis*  
*Seek input from ANU community*  
*Develop and test outputs*  
*Report and evaluation of outcomes*