



Research Data Management Librarian Academy

Growth of Learner Community and New Developments

ALISE 2020 Live Presentation

October 22, 2020 | 8:00 PT/10:00 CT/11:00 ET

Presented By: Elaine Martin, Rong Tang, and Sanda Erdelez,
with live demo by Ashley Thomas and Zhan Hu

Agenda

1. Brief Introduction of RDMLA Presenters
2. RDMLA History
3. New Units
 - a. New Instructors
4. Translation Partnership
5. Continuing Education Credits Test

What is RDMLA?

- An online education program offering individuals an opportunity to learn about research data management practices
- Developed in partnership with industry, teams of librarians and LIS faculty who have expertise with RDM
- Filling in a gap in RDM training
- Financially funded by Elsevier

The screenshot shows the Canvas Network interface. At the top, there's a navigation bar with links for 'Offer a Course', 'About Us', 'Take a Course', and 'Login'. Below the navigation is a large banner featuring a woman looking at a digital dashboard filled with various data visualizations like charts and graphs. A prominent red 'ENROLL' button is overlaid on the bottom right of the banner. To the right of the banner, the course title 'RESEARCH DATA MANAGEMENT LIBRARIAN ACADEMY [RDMLA]' is displayed in bold capital letters, followed by the text 'Self-paced'. Below this, several course details are listed in boxes: 'COURSE DATE: Open', 'DURATION: Ongoing', 'COMMITMENT: 1.5-2 hrs/unit', 'REQUIREMENT: None', 'COURSE TYPE: Self-paced', and 'CREDENTIAL: Certificate, Cont Ed Credits (CEUs)'. The background of the page features a blurred image of a city skyline.



RDMLA Website: <https://rdmla.github.io/about/>

Why RDMLA?

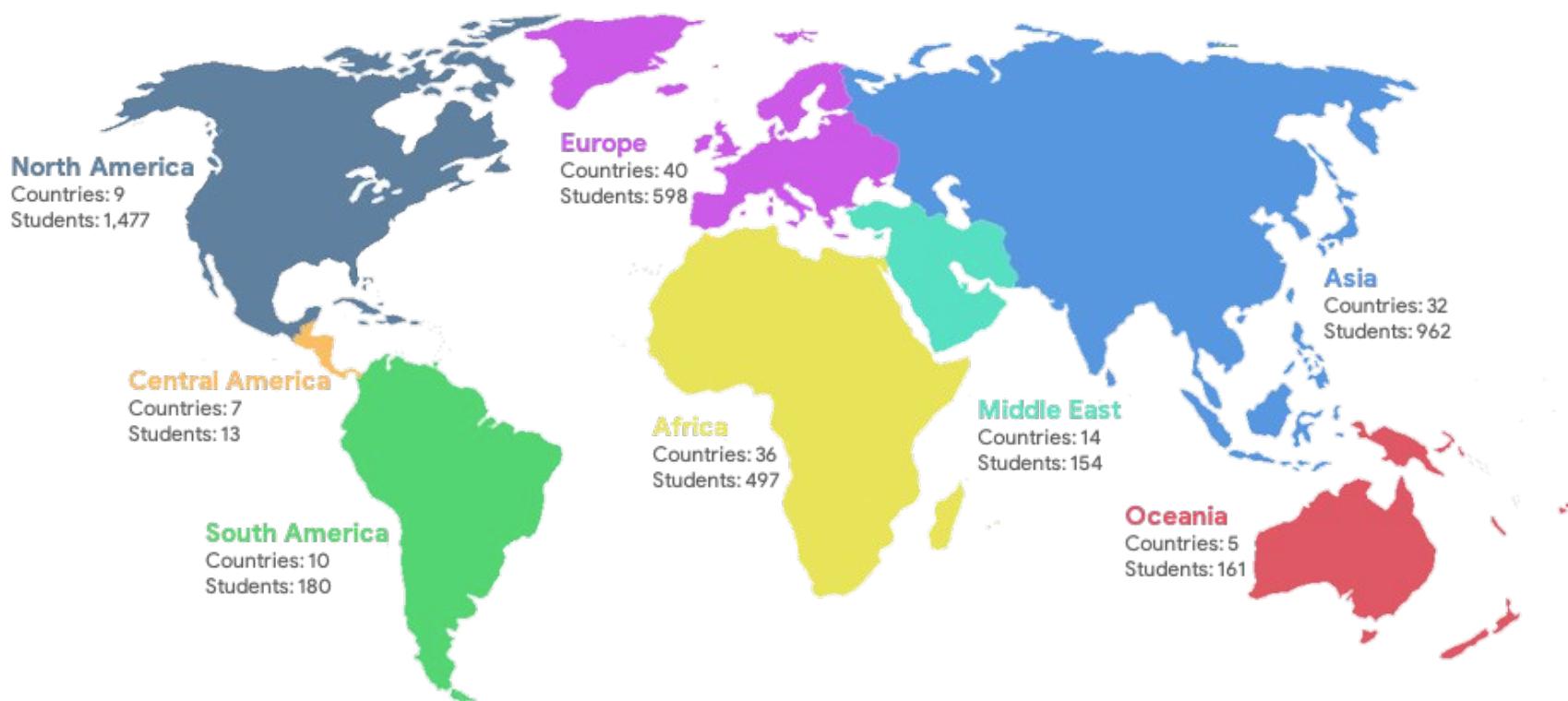
- RDMLA was created for the **practicing librarian** to **enhance** their skill sets so they can be part of research teams.
- RDMLA can be utilized by researchers wishing to learn more about **RDM foundations and related software and tools**.
- Extremely valuable resource for **practicing librarians** to **tool or retool** themselves on RDM practices and projects.

Success Metrics to Date

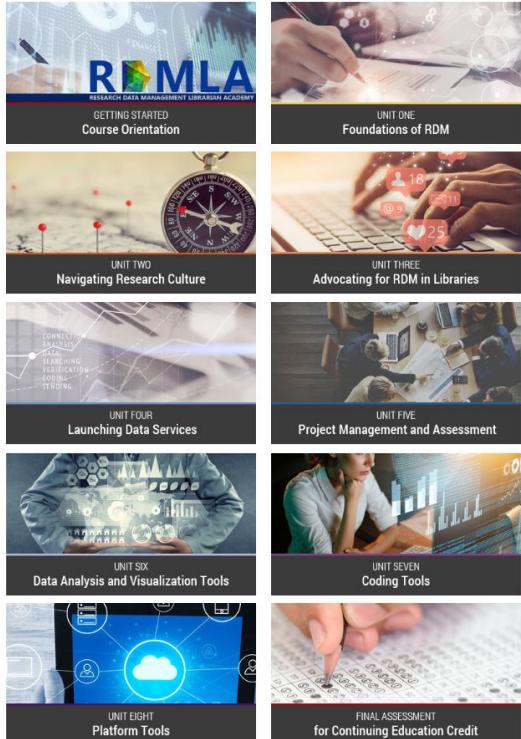
October 7, 2019 to October 22, 2020

- Active Students: **4,269**
- Discussion Forum Posts: **1,928**
- Course Completion Badges: **312**
- CE Certificates: **25**

Where are RDMLA Learners From?



RDMLA on Canvas Network



- The Academy currently offers **eight** units, which can be taken in sequence or out of order.
- All units are hosted online via the Canvas Network platform under **CC-BY-NC-SA** licensing.

New Units

New Units Coming Fall/Winter 2020



New Unit Instructors



Amber Budden, Ph.D.
NCEAS University of California, Santa Barbara

Unit 9: Delivering Data Management Training



Scott Lapinski, MS
Harvard Medical School, Countway Library of Medicine

Unit 10: Research Data Copyright, Licensing, and Privacy



Adam Kriesberg, Ph.D.
Simmons University, School of Library and Information Science

Unit 11: Data Curation and Archiving

Screenshots of New Units

Importance of Data Management Training and the Role of Librarians

Home » Unit Nine » CONTENT & ACTIVITIES » Importance of Data Management Training

UNIT NINE Delivering Data Management Training

In this section video, you will hear from Dr. Amber Budden regarding the state of RDM training and the librarian's role in RDM response to researcher RDM needs.

Click **play** to begin.



Run Time: 8:44 | [Transcript](#) | [Slideshow](#)

RDM Training Resources

- [The Carpentries](#)
- [Academic Data Science Alliance](#)
- [DMT Clearinghouse](#)
- [DataONE Webinars](#)

[◀ Previous](#)

Unit 11: Overview and Objectives

Home » Unit Eleven » Overview and Objectives



UNIT ELEVEN Data Curation and Archiving

This unit will introduce you to the concepts, frameworks, and practices involved in preserving research data. As a Research Data Management Librarian, you will be able to use these skills to work with researchers, administrators, and other librarians. The unit provides an overview of data curation and archiving and introduces learners to the main standards and frameworks used in the curation and preservation communities. There will also be discussion on funder requirements for data curation and preservation across the federal government and foundation sector and the basics of digital repositories. The unit ends with an interview and exercise to bring data curation practice into the work environment of a research data management librarian.

By the end of this unit, you will be able to:

- Have an understanding of data curation and archiving, including the main standards and frameworks, along with digital repositories.
- Understand how to assist researchers with their data curation, archiving, and preservation needs.
- Be introduced to the main funder (e.g. federal government, foundation sector) requirements in regards to curation, preservation, and repositories.

Data and Copyright - Assumptions and Presumptions (Quiz)

Started: Oct 21 at 12:10pm

Quiz Instructions

Home » Unit Ten » CONTENT & ACTIVITIES » Data and Copyright Pre-Assessment (Quiz)



This is an ungraded quiz. You may take this quiz as many times as you like.

Data and copyright have a... challenging relationship. This complicated association makes it difficult for research data librarians to understand when and how data and copyright connect. It can also lead to a slew of assumptions and presumptions.

These three short questions demonstrate common myths, misconceptions, and realities regarding data, copyright, licensing, and policy constraints. Before we start myth busting some facts, review these questions to see if you have data and copyright assumptions.

Question 1

0 pts

Which of the following is protected by copyright?

- A spreadsheet listing all phone numbers in the 617-area code with the full name of the account holder.
- A dataset of major league baseball team names, home-stadium location, including current seating capacity and average number of ticket sales for the past 10 years.
- A listing of top 25 sushi restaurants in New York City, with name of Sushi Master, including address and hours of operation.
- A dataset including the laboratory results of blood cholesterol levels for patients under the care of a local health clinic.

New Units Demo

Translation Partnership

Translation Partnership

- First Translation Partners: **National Taiwan University Library**
 - Traditional Chinese language translation



National
Taiwan
University



Kuang-hua Chen, Ph.D.
University Librarian and Professor



Muh-Chyun Tang, Ph.D.
Associate University Librarian
and Professor

- Translation lead by Dr. Chen and Tang, with assistance from Ching-Yi Lai
- Translated course expected to launch in 2021

Chinese Language Translation Partner: National Taiwan University



RMCLA > 頁面 > 綜合應用 - Mendeley Data 模擬情境

首頁
單元
討論
測驗

課程
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收件匣
?

綜合應用 - Mendeley Data 模擬情境

首頁 > 第八單元 > 內容與活動 > 綜合應用 > Mendeley Data 模擬情境



第八單元 平台工具

有了 Jean 的大力協助，John 聚集了許多研究著作和資料集。他在審查這些資料後傳給 Jili 進行分析。Jili 在分析完後得到了值得探究的結果，想要儲存並在撰寫的文章一起發表。但是 Jili 不太瞭解該如何發表資料，轉而尋求 Jean 的協助。Jean 建議 Jili 想考慮要在哪裡發表資料，並向她介紹三種不同的選擇：典藏系統和開放式典藏系統，像 Mendeley Data 就屬於開放式典藏庫。Jean 請 Jili 在建立資料集草稿預覽後分享給她，兩人再一起建立該種資料等。Jean 建議註釋資料可以如何改善，讓資料集看起來較為「客觀」，像是加入再現資料的步驟、新增分類、以及附上參考資料集的連結。如此一來，資料集統一後直接發表。



第八單元完成

首頁 > 第八單元 > 完成

恭喜！您已經完成了這個單元！

您已經完成了獲得本單元徽章的要求。連結在側目錄的徽章頁面，可以追蹤您的徽章蒐集情形。
您完成所有課程單元，您將會收到一個完成課程的徽章。

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Screenshots of Unit 8 translation

第八單元: 講師資訊

首頁 > 第八單元 > 講師資訊



第八單元 平台工具

Julie Goldman

哈佛大學圖書館研究資料服務館員



Julie Goldman 擁有理學士及圖書資訊學碩士學位，目前就職於哈佛大學醫學院康威圖書館，擔任研究資料服務館員。她與許多資料管理及開放科學界的專家密切合作，致力發展相關服務，提供哈佛教職員工生及研究者使用直接管道。

Julie 擁有軟體工坊 (The Carpentries) 講師資格，長年推動工坊理念，並協助在新英格蘭舉辦工作坊。

Julie 曾任美國國家衛生研究院 Big Data to Knowledge (BD2K) 計畫的專案經理，推動資源發展。她與康威圖書館館長 Elaine Martin 與新英格蘭的資料專家共同於 Canvas MOOC 平台開設「生醫研究資料管理最佳實務」(Best Practices for Biomedical Research Data Management) 課程。旨在為館員、生醫研究人員、生醫領域大學生與研究生，以及其他感興趣的對象提供培訓，學習生醫研究資料管理的推進做法。

Julie 現為 Journal of e-Science Librarianship (JeSLIB) 總編輯。JeSLIB 是經過同行審查的開放取用期刊，致力推動圖書館學的理論與實踐，特別聚焦於與資料導向研究相關的服務。

Julie 過去曾於麻省大學醫學院擔任全國醫學圖書館網路 (National Network of Libraries of Medicine) 新英格蘭區之 eScience 專員，為新英格蘭地區的圖書館員提供研究資料相關教育和資源。她也協助開發「NNLM RD3: sources for Data-Driven Discovery」網站，該網站前身為先前的熱門網路資源「The eScience Portal for Librarians」。

Julie 在新罕布夏大學取得海洋生物科學學士學位，並在西蒙斯學院取得圖書資訊學碩士學位。

RMCLA

RESEARCH DATA MANAGEMENT LIBRARIAN ACADEMY

Screenshots Units 6 and 7 Translations

Python與Jupyter Notebooks介紹

首頁 > 第七單元 > 內容與活動 > Python與Jupyter Notebooks介紹



請依照(或下載)本節的Python notebook進行課程。

點擊播放鍵以開始。



影片長度: 2:29 | 預覽 | 撥

Python是一種程式語言。我們可以在Python中編寫指令，也就是式碼，以執行特定的任務。作為本單元的重要工具，我們會以Python進行資料觀覺化及資料分析。

Jupyter Notebooks是我們用來和Python互動的介面，這些notebooks非常適合測試程式碼區塊(chunks)和分析程式碼區塊的輸出結果。

如果您想學習在個人電腦上安裝Python和Jupyter Notebooks，我們建議您依照以下的教學步驟安裝。

- 從 [Anaconda 網站](#) 下載Python 3.8版Anaconda發行版(Python distribution)。
- 下載完成後，依照Anaconda網站的指示安裝。
- 為使用本單元的Section 3 notebook，請依照指示下載執行所需的2個額外套件：「geopandas」，需要花一點時間。

完成安裝後，可以從GitHub典藏庫下載並執行這些notebooks。如果您想深入學習資料分析和資料視

裝Anaconda，安裝步驟非常簡單。

就算沒有安裝Anaconda或是Jupyter，各位也能學會本單元的主要概念。Jupyter Notebooks的一大優

點就是它能將資料分析的結果，因此，大家可以瀏覽這些notebooks以瞭解運用Python可以執行的類型。

• 上一個

第七單元：課程簡介與目標

首頁 > 第七單元 > 課程簡介與目標

歡迎來到第七單元。本單元將簡單介紹如何透過Jupyter Notebook編寫Python程式碼。

本單元的目標不只在於使大家成為專業的Python程式設計師及精通Jupyter的多種功能。研究資料管理(RDM)的課程活動主要目標是協助研究社群參與開放科學倡議(Open Science Initiative)，本單元將會提供即時的影片示範。

我們將示範研究人員能「如何(how)」在這個環境中的「何處(where)」分享、編輯並處理程式碼的「什麼內容(what)」，並且如何立即(或重新)執行分析以及重現資料視覺化。對於Python/Jupyter的精通過程不是本單元的近程目標，重要的是理解工作流程的脈絡，並瞭解這些工具如何滿足研究資料管理生命週期的關鍵需求。

本單元學習目標：

- 學會如何使用Python和Jupyter Notebook以符合您的需求。
- 學會產生資料視覺化的專業知能。

• 上一個

• 下一個

使用 R 套件：重點複習 (測驗)

這是測驗發佈後的預覽

始：10月5日 12:24

驗說明

首頁 > 第六單元 > 內容與活動 > 資料分析與視覺化工具 > 選取子集與B套性 > 重點複習 (測驗)



第六單元
資料分析與視覺化工具

驗不計分，您可以重複練習。

您對於如何在R中尋找、安裝及使用套件的知識。

問題 1

0 分數

請選出尋找R套件的方式。

可複選。

- 游覽官方網站 R CRAN
- 執行 search.packages() 指令
- 推荐並瀏覽專用網站，例如 METACRAN
- 在 RStudio 中使用 ?? 指令搜尋函數，找到對應的套件

問題 2

0 分數

每次開啟R工作階段時，可以用哪個函數開始使用已安裝的R套件？

- load()
- library()
- use()
- start.package()

沒有要保存的新數據。上次檢查於 12:25

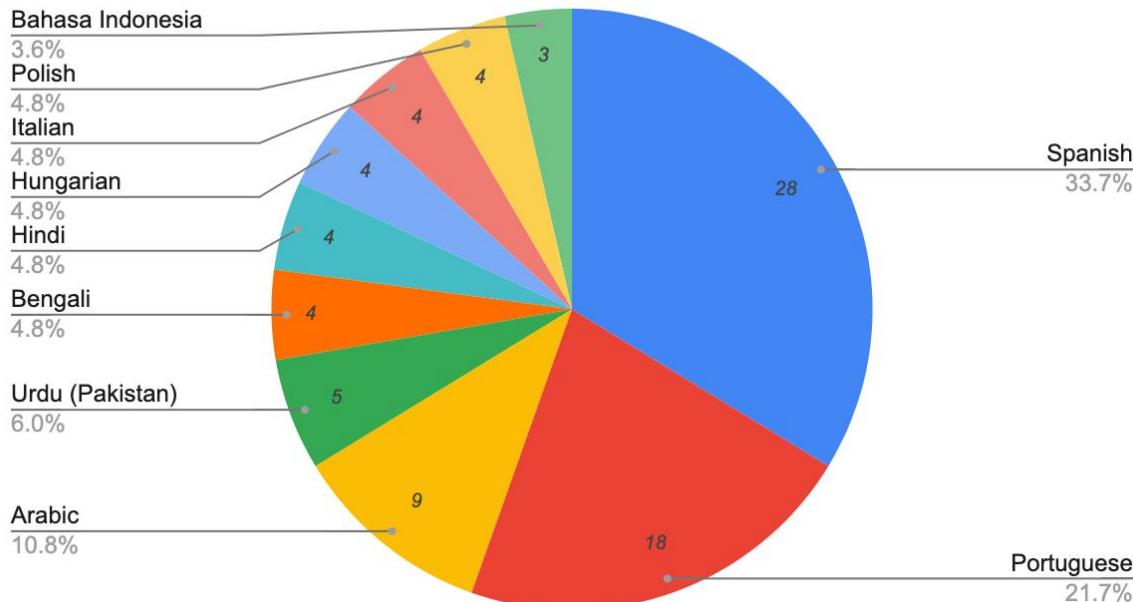
提交測驗

Translation Demo

Translation Partnership

- Currently establishing a model of translation for future translation efforts with partnership with NTU.
- International partnerships for translations of multilingual versions.
 - Will focus future translation partnerships based off learner location.

Most Requested Language



Current Progress

Translation Progress



In Progress

- Translation Timeline
 - Units 6, 7, and 8 are completed
 - Units 5 and 4 are in-progress
 - Will complete all translations by June 2021
 - QA and usability inspection to follow
- Transfer videos to Vimeo
 - Completed, currently working on transferring caption files



CE Credits

Continuing Education (CE) Credits

Continuing Education Credit: Welcome!

[Home](#) » [Continuing Education Credits Test](#) » Welcome



Thank you for your interest in the Continuing Education (CE) Credit!

Below, RDMLA co-leaders Elaine Martin and Rong Tang, and Sandra Erdellez, Director of the School of Library and Information Science at Simmons University welcomes you the CE portion of the RDMLA course.

Hello!

On behalf of the RDMLA faculty and development team, we would like to congratulate you on completing the RDMLA course. We hope your learning experience has been positive and rewarding.

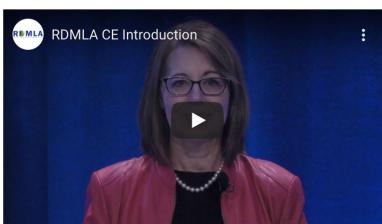
Now that you have completed all the RDMLA units, we would like to introduce to you the opportunity to obtain three continuing education (CE) credits from Simmons University's School of Library and Information Science. To earn these credits, you will pay an administrative fee of \$50 USD and pass a final online assessment. You will have two chances to pass the assessment with a score of 75% or higher. Upon passing the assessment, you will receive an electronic certificate recognizing and acknowledging your CE credits.

We wish you the best of luck as you pursue the CE credits and in your future RDM endeavors!

Best Regards,

Elaine Martin and Rong Tang

Click **play** to begin.



Run Time: 1:59 | [Transcript](#)

Continuing Education Credit - Before You Begin

[Home](#) » [Continuing Education Credits](#) » Welcome » Before You Begin



Thank you for your interest in the Continuing Education (CE) Credit. Before you proceed, please read the following information thoroughly.

Please note that the test for the CE credit is only available upon completion of all the units in the course. This is an **optional offering** for interested parties to earn three (3) continuing education credits from Simmons SLIS.

The test comprises of 25 questions and is based on the materials discussed in the course units. You will have **90 minutes** to complete the test. Questions will appear one at a time, but you will be able to return to questions you skipped or to review your answers before submitting.

You will have two attempts, per paid fee, to pass the test. To pass, you will need to receive a **75% or higher**. If you are unable to successfully complete the test after two attempts, you will be locked out. Please refer to the information on the Outcome page for next steps.

In order to complete the CE test, please follow these steps:

- First you must pay a fee (**\$50 USD**) to complete the test. You may pay the fee at this [link](#).
- Once you have completed payment, you will receive an email receipt which will include the code to unlock the quiz on this Canvas course site.
- Return to the Canvas course site and proceed to the CE test page
- On the CE test page, you will be prompted for the test code. Once you enter the code, the test will be unlocked and you may proceed.

For additional information and assistance, please refer to the [CE Test FAQ](#).

Continuing Education (CE) Credits

RDMLA has partnered with Simmons University SLIS to offer **optional** continuing education (CE) credits upon completion of the CE credits test.

- Must complete **all** units of the RDMLA course
- Test is comprised of 25 questions and is based on the materials discussed in the course units
- Administration fee of \$50 USD
- Two attempts to pass the test with a 75% or higher
- Successful test takers will receive a certificate recognizing their three CE credits

CE Credit for New Units

- The three new units will constitute **one** CE credit
- The cost for the one credit test will be \$15 USD
- Estimated launch date for the additional test is

February 2021

[Home](#) » [Continuing Education Credits](#) » [Welcome](#) » Before You Begin

Check out the Course at:
canvas.net/browse/simmonsu/courses/research-data-management

Project Website: <https://rdmla.github.io/>

Please help us spread the word!



Questions?



rdmla.github.io



@TheRDMLA



@The_RDMLA



RDMLA

RESEARCH DATA MANAGEMENT LIBRARIAN ACADEMY