

Sarah Ames

Digital Scholarship  
Librarian

@semames1

# Digital Scholarship: a library game changer



# Overview



What is digital scholarship?



What does a digital scholarship role involve?



Challenges of working in digital scholarship

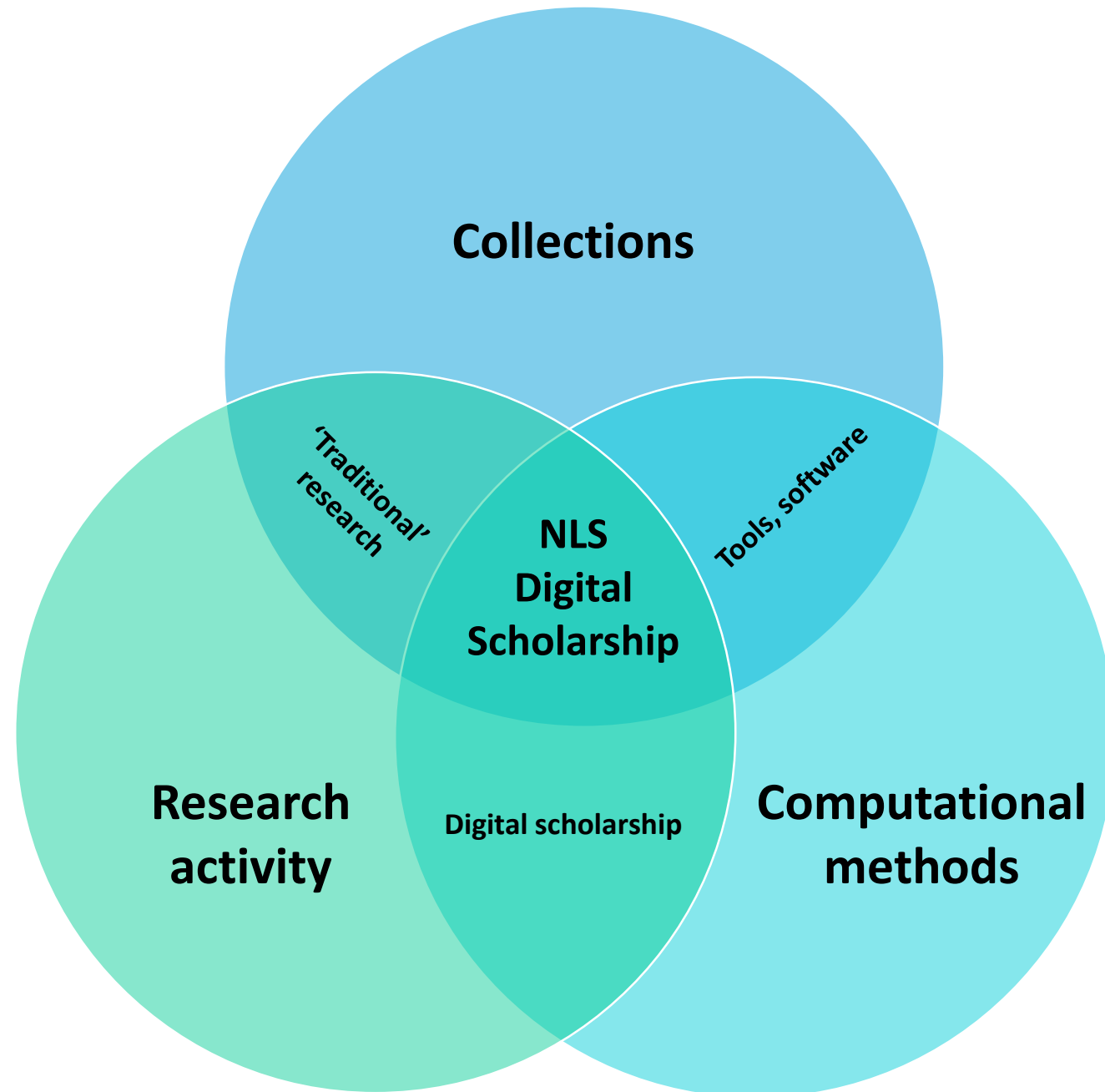


How to become a Digital Scholarship Librarian





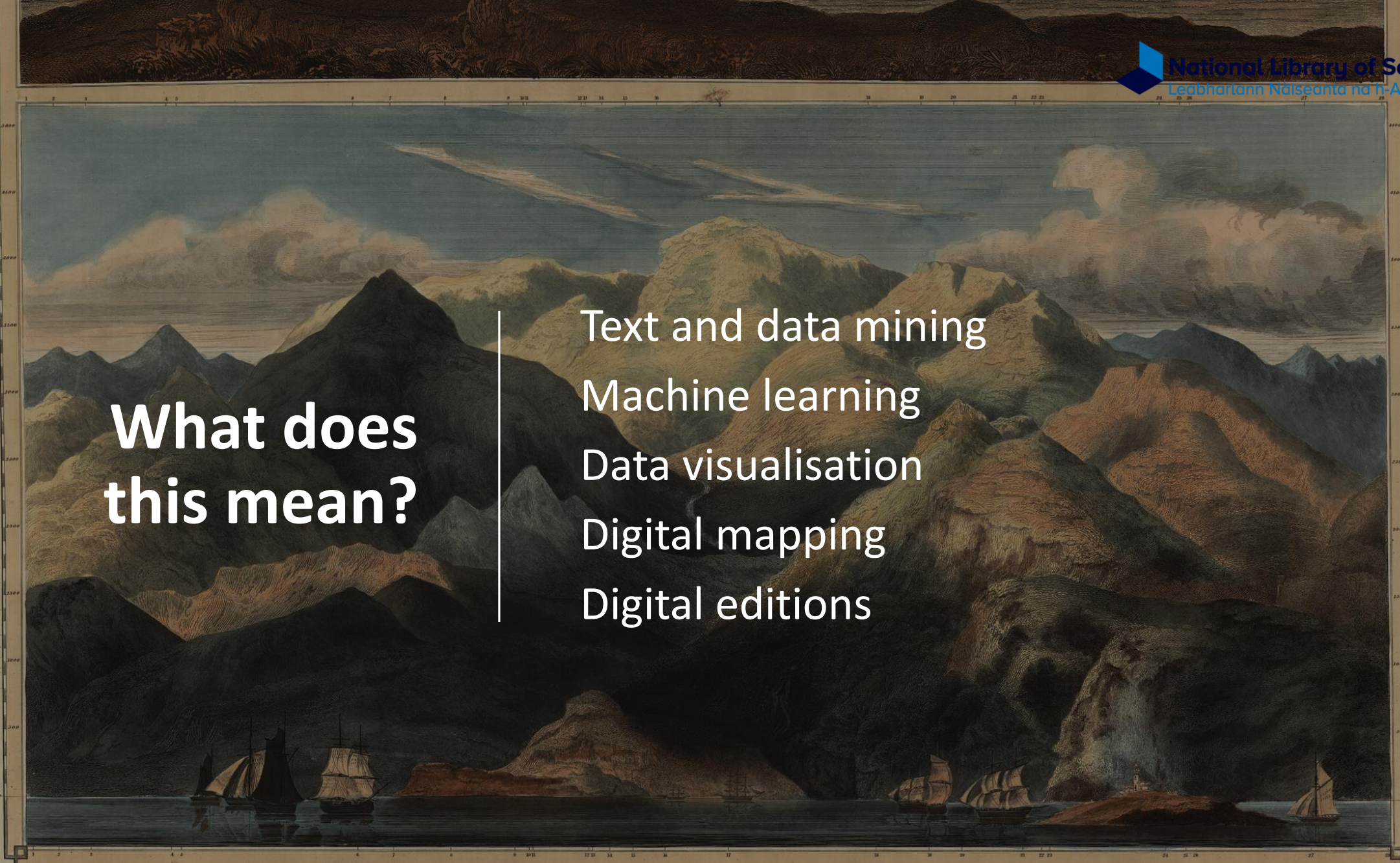
**The use of computational methods  
with National Library of Scotland collections  
to enable new forms of research**





What does  
this mean?

Text and data mining  
Machine learning  
Data visualisation  
Digital mapping  
Digital editions



Drawn by D. McKenzie S.A.

*A line drawn between the figures at top and bottom will touch the height referred to at the corresponding numbers on the sides.*

**A COMPARATIVE VIEW OF THE HEIGHTS OF THE PRINCIPAL MOUNTAINS OF SCOTLAND.**

Published by John Thomson Edinburgh, 1851.

*The altitudes are all measured from the line marking the Level of the Sea, and not from the base of the mountain of the Peak.*

Eng'd by W. H. Lizars.



123

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2	000,020000	000,025000	000,030000	000,035000	000,040000	000,045000	000,050000	000,055000
3	000,030000	000,037500	000,045000	000,052500	000,060000	000,067500	000,075000	000,082500
4	000,040000	000,050000	000,060000	000,070000	000,080000	000,090000	000,100000	000,110000
5	000,050000	000,062500	000,075000	000,087500	000,100000	000,112500	000,125000	000,137500
6	000,060000	000,075000	000,090000	000,105000	000,120000	000,135000	000,150000	000,165000
7	000,070000	000,087500	000,105000	000,122500	000,140000	000,157500	000,175000	000,192500
8	000,080000	000,100000	000,120000	000,140000	000,160000	000,180000	000,200000	000,220000
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2	000054794520	000068493150	000082191780	000095890410	000109589040	000123287670	000136986300	000150684930
3	000082191780	000102739725	000123287670	000143835615	000164383560	000185479450	000206575340	000227671230
4	000109589040	000136986300	000164383560	000191780820	0002205479450	000246575340	0002727671230	000300000000
5	000136986300	000171232875	000205479450	000239726025	000273926025	000308219175	000342465750	000376712300
6	000164383560	000205479450	000246575340	000287671230	0003287671230	000369863010	000410958900	000452053790
7	000191780820	000239726025	000287671230	000335616435	000383561640	000431506845	000479452050	000527392050
8	000219178080	000273926000	000328767120	000383561640	000431506845	000489452050	000547392050	000605273920
9	000246575340	000308219175	000369863010	000431506845	000489452050	000547392050	000605273920	000671123000
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What does  
this mean  
for our  
collections?

Collections as data

Data as collections



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**TEXT**



**IMAGE**



**METADATA**



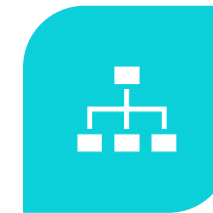
**AUDIOVISUAL**



**MAPS**



**WEB ARCHIVE**



**CORPORATE**

**1. Making  
data  
available**

**2. External  
engagement**

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**Collaboration**

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**Projects**

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**PhDs, residencies, fellowships**

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**Beyond research community**



### 3. Internal engagement

**AWARENESS**

**TRAINING**

**CHAMPIONS**

**CULTURE**



New to the library







# Operating between worlds

Technology  
Digital  
Processes

Book history  
Print  
Research

THE BOOK  
OF  
ADVENTURE AND PERIL



EDINBURGH,  
W. P. NIMMO, HAY, & MITCHELL.

# Change

Workflows, processes, culture



among them, to prove that both are genuine—which is Irish, and conjurer's logic.

*Additional trick.*—The other candle may be of similar construction. After having made the previous discovery, say: "Strange candles these! I wonder if they all run alike?" and on opening the second, discover some other previously borrowed article, or anything to cap the climax.

THE TELESCOPE OF POWER.

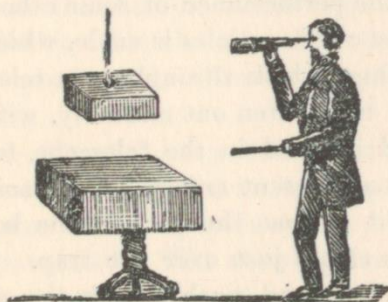


Fig. 6.

A number of various articles are collected from the audience, in a small box, which is locked, and a person is allowed to retain the key. On returning to the stage, the box is wrapped up in paper or in a handkerchief, and held thus enveloped by one of the company. The performer takes up a telescope, which he pretends to be of extraordinary power; and, indeed, while looking through this instrument, levelled at a suspended casket, or a large box elsewhere in the room, he enumerates fully all the borrowed articles, as if he saw them within the casket. The casket is now taken down, and, on opening it upon the table, the small box is discovered within it, still locked and containing the objects. Now, on undoing the paper or handkerchief, it is found empty.

# Anticipating the future

# Becoming a DS Librarian

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Broad range of experience: research/library/technical

Seek out opportunities

Professional development: find pots of money!

Embracing the unknown

Curators: rare books, maps, music

Curators: manuscripts, archives

Curators: modern collections

Curators: Moving Image Archive

Developers

Digitisation

Metadata

Digital Preservation

Reader Services

Acquisitions (web archive)

Development (funding)

Marketing

Systems

Copyright

HR (training)



THE WAY  
FORWARD:  
LIBRARY  
STRATEGY  
2015-2020

# Disrupting the library

The way forward

