Using
Google Sheets Add Ons to Streamline Cataloging

Monday, June 24, 2019

Presenters

Michelle Suranofsky

Senior Analyst
Lehigh University Libraries

Lisa McColl

Cataloging/Metadata Librarian
Lehigh University Libraries

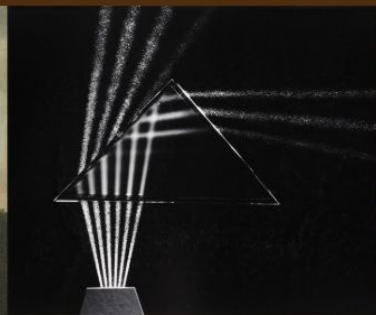LEHIGH UNIVERSITY

LU AG LEHIGH UNIVERSITY ART GALLERIES

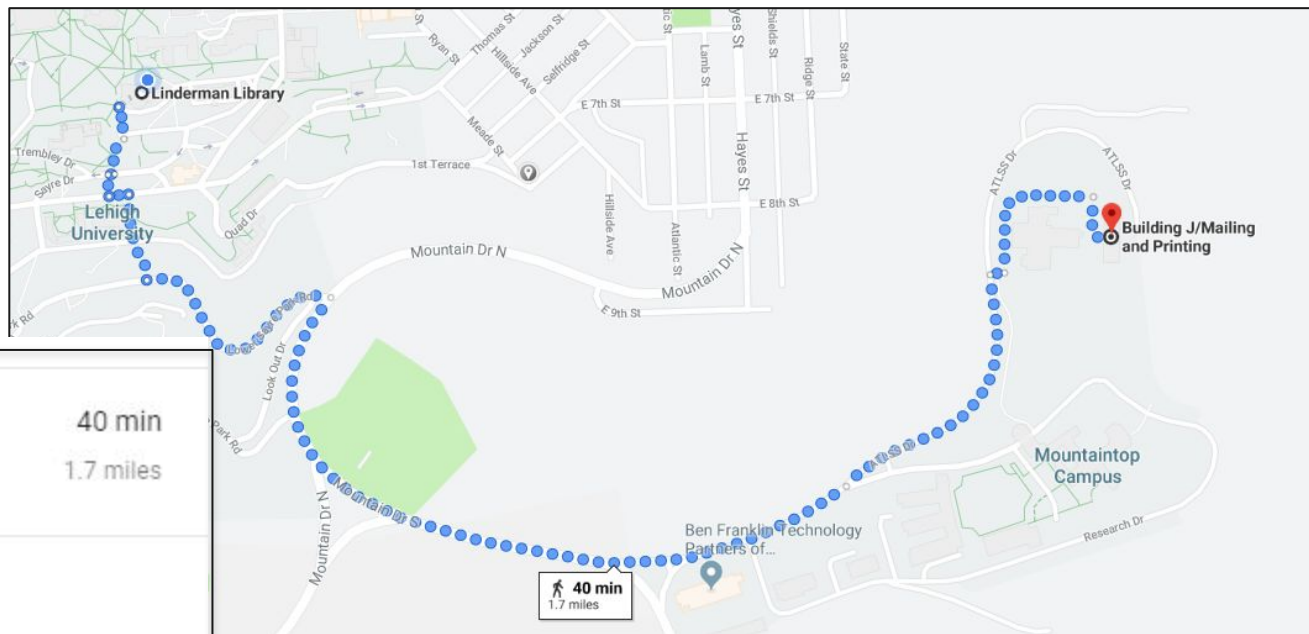# Challenges

1. Volume of books vs. available staff time

2. Accessibility of the collection

Linderman Library to LUAG Storage Facility

Other OCLC batch search tools considered

- Backlog Lookup by Yukari Sugiyama and Debbie Falvey, Yale University Library
  https://github.com/ysugiyama3/backlog_lookup

- LS-Tools, Cornell University
  https://confluence.cornell.edu/pages/viewpage.action?pageId=337117449

Inspiration from existing solutions

```
2998            ]
2999        },
3000        "columnName": "SUBJECT",
3001        "expression": "grel:cells['SUBJECT4'].value",
3002        "onError": "keep-original",
3003        "repeat": false,
3004        "repeatCount": 10
3005    },
3006    {
3007        "op": "core/text-transform",
3008        "description": "Text transform on cells in column CALL_NO using expression grel:cells
3009        "engineConfig": {
3010            "mode": "row-based",
3011            "facets": [
3012                {
3013                    "omitError": false,
3014                    "expression": "isBlank(value)",
3015                    "selectBlank": false,
3016                    "selection": [
```

Cornell University

✕Confluence Dashboard   Spaces ▾

- Component: Mechanism for Loadir
- **Component: OCLC Record Retri**
  - Cleanup: Enhance Voyager Rec
  - Enhance: Batchmatch Replacer
  - Enhance: E-Book Records Enha
  - Enhance: OCLC Master Numbe
  - Enhance: Order Records
  - Import: New print records searc
- Create: PDC
- Enhance: Backlog Books
- Enhance: OCLC WorldShare
- Enhance: Revision of OCLC Syste
- Export: Automated Monthly Export
- Export: Casalini Share VDE Extrac
- Export: Circulation counts for print

Pages / CUL Tech Services Automation Working Group Home

Component: OCLC Record Retri

Created by Peter Hoyt, last modified by Nancy Solla on Aug 29, 2018

Section 1: Administrative Process

High-Level description:

| Statement of problem to be solved	This specification defines the common sup acquire new MARC metadata or replace o
Explanation of business value (how does this support CUL's mission)	It is in the library's interest to define these relatively little effort. It is recognized that certain constraints mus
Overview of the process	Implementation is a set of imbedded subro are made to an OCLC server keyed upon a

Google Apps Scripts - a recent discovery

Many Google apps, one platform in the cloud

Increase the power of your favorite Google apps — like Calendar, Docs, Drive, Gmail, Sheets, and Slides. Apps Script lets you do more with Google. All on a JavaScript platform in the cloud.
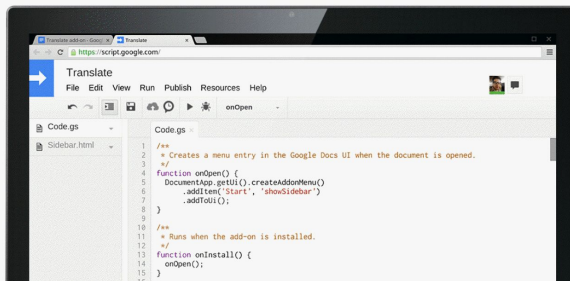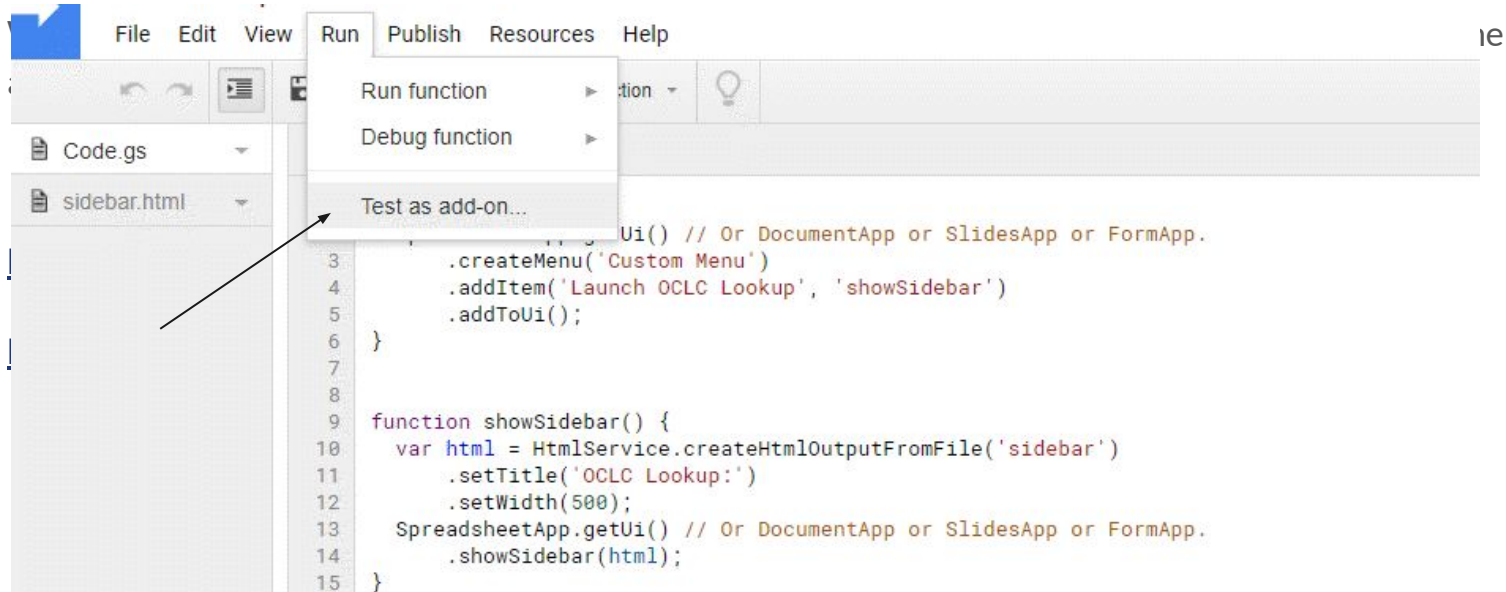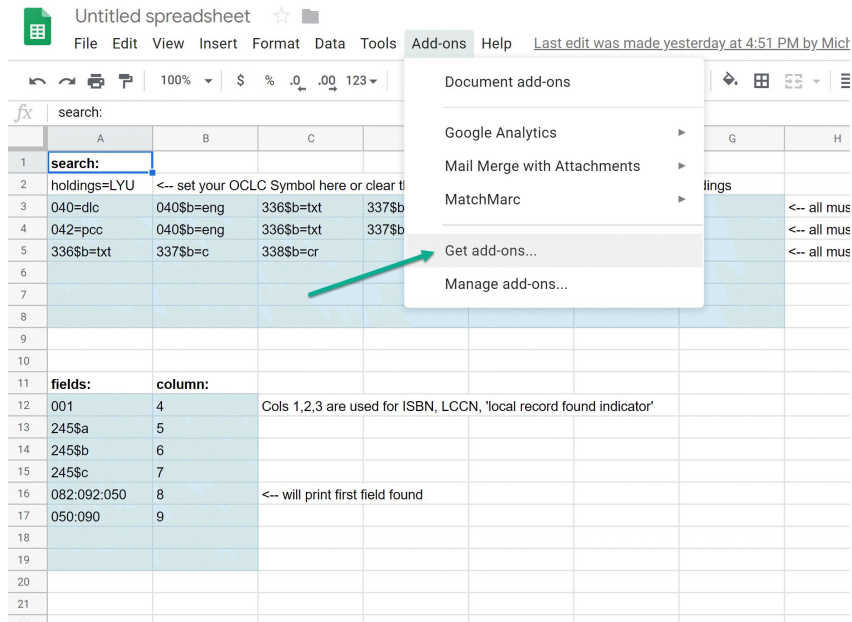
Try a 5-minute quickstart

Add-on for Google Docs

Create a Docs add-on that transforms selected text into other languages with Google Translate.

BUILD WITH DOCS

Google Apps Scripts - ability to share

Google Apps Scripts - ability to share

Google Apps Scripts - ability to share

Google Apps Scripts - ability to share

https://tinyurl.com/matchmarc

https://tinyurl.com/matchmarc-source

https://tinyurl.com/matchmarc-instructions

Iterative development

Collaboration - feedback loop

What operations does the add-on perform?

What operations does the add-on perform?

What operations does the add-on perform?

Possible future uses of add-ons & challenges

Google apps scripts
on Google's servers

Campus Firewall

folio
future of libraries is open

Two (Huge) Positives of MATCH MARC

1. Accurate

2. Convenient

Accuracy: Tiers of Logic

Are held by Lehigh,

If none, then are DLC records,

If none, then are pcc records,

If none, then the one with the most holdings.

Accuracy

Test
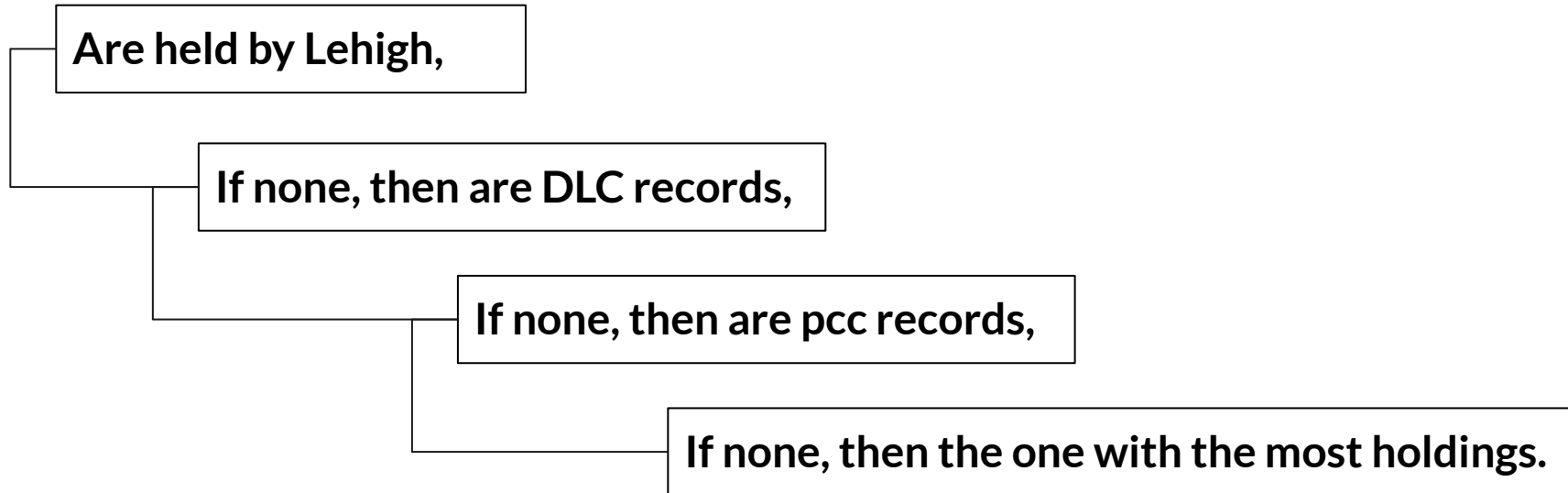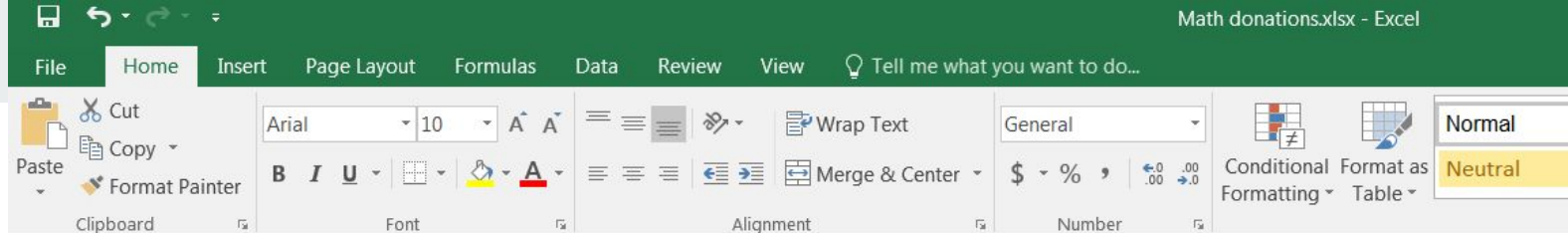
F9 | The theory of dynamical systems and its applications to nonlinear problems /

|	A	B	C	D	E	
1	ISBN	LCCN		MATCH MARC OCLC	MY OCLC	
2		66-25377	local record foun	357905	357905	General topology.
3		66-30492		304924	304924	Intrinsic geometry of surfaces,
4		51-12754		527263	527263	Theory of matrices /
5	9971501112			13822645	804676132	Perspectives in nonlinear dynamics :
6	0122795016		local record foun	528617	528617	Generalized functions.
7		52-12052		793134	793134	Fundamental concepts of algebra /
8		63-21849		528961	528961	Théorie des opérations linéaires.
9	997196693x			12277902	12277902	The theory of dynamical systems and i
10	9780198515975			51258500	51258500	Topology :
11		59-8656		523382	523382	Mathematics dictionary /
12	070429103			286147	286147	Elementary linear and matrix algebra;
13	0821818007			266473	266473	Homotopy invariants in differential geor
14	821912920			1318984	1318984	Doubly timelike surfaces /
15		52-5841		529758	820469878	Foundations of algebraic topology,
16		55-8437		527978	527978	Functional analysis /
17		61-17849		537014	537014	An introduction to the theory of games
18		65-13607		529800	529800	Distributions, complex variables, and Fe
19		63-21682		1060035	1060035	On Riemann's theory of algebraic funct
20	0534980392			8935199	8935199	Graphs as mathematical models /
21		60-14787		529633	529633	Rings of continuous functions /
22		61-7856		994439	994439	Selected topics in the classical theory c

Convenience of the Sheets **Environment**

1. Familiar
2. Portable
3. Flexible: a Google Sheet can become a
   a. MARC file
   b. TEXT file
   c. Label sheet
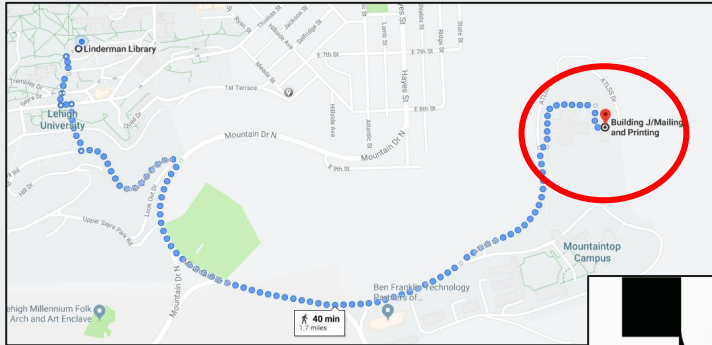   d. Check list

Future

Improvements

Projects
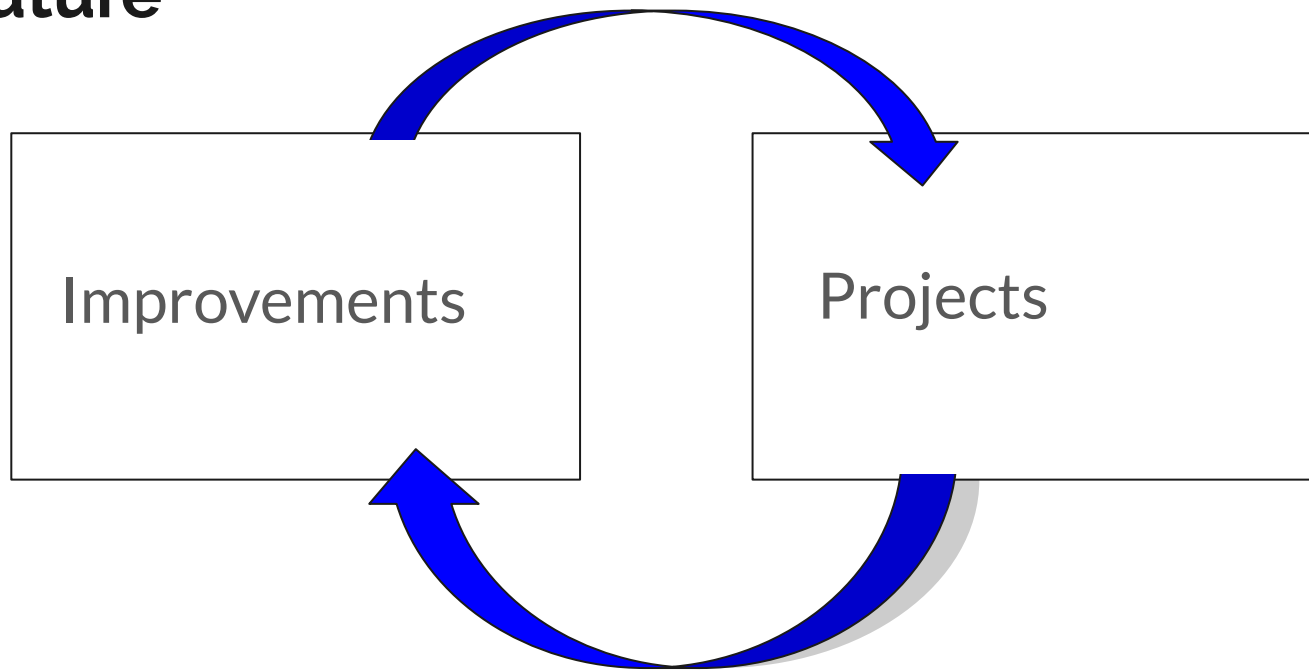
Thank you!

Please feel free to contact either of us with questions.

Michelle Suranofsky
mis306@lehigh.edu

Lisa McColl
lim213@lehigh.edu

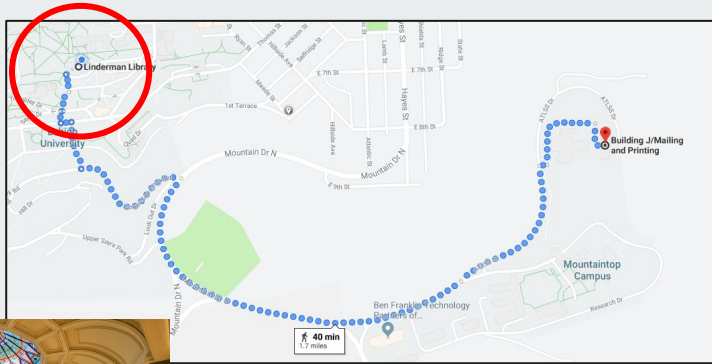# Appendix:
Sample Workflow

Sheets

1. Enter ISBN or LCCN numbers for books.
2. Enter local notes in another column as needed

Appendix:
Sample Workflow

![Sheets logo] Sheets

1. Run MATCH MARC tool.
2. Use MARCEdit to obtain OCLC MARC file based on OCLC numbers found.
3. Scan in a barcode for each book into the Google Sheet.
4. Use MARCEdit to create a MARC file from the Google Sheet, with local information (call number, barcode, local notes.)
5. Merge OCLC MARC file with Local MARC file.
6. Import resulting file into ILS.
7. Create a spine label sheet using the Call Number Column created by MATCH MARC.

Appendix:
Sample Workflow
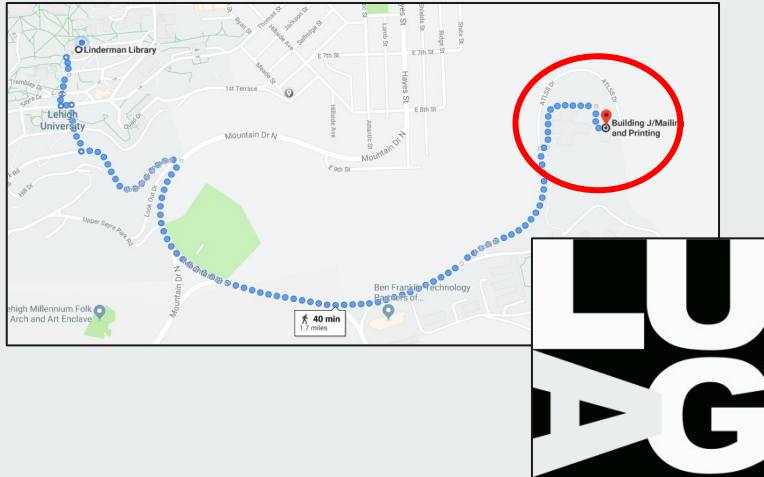
Sheets

Apply barcodes and spine labels to books, using the Google Sheet for reference and checks.