# Remapping Problematic LCSH in TRLN Discovery

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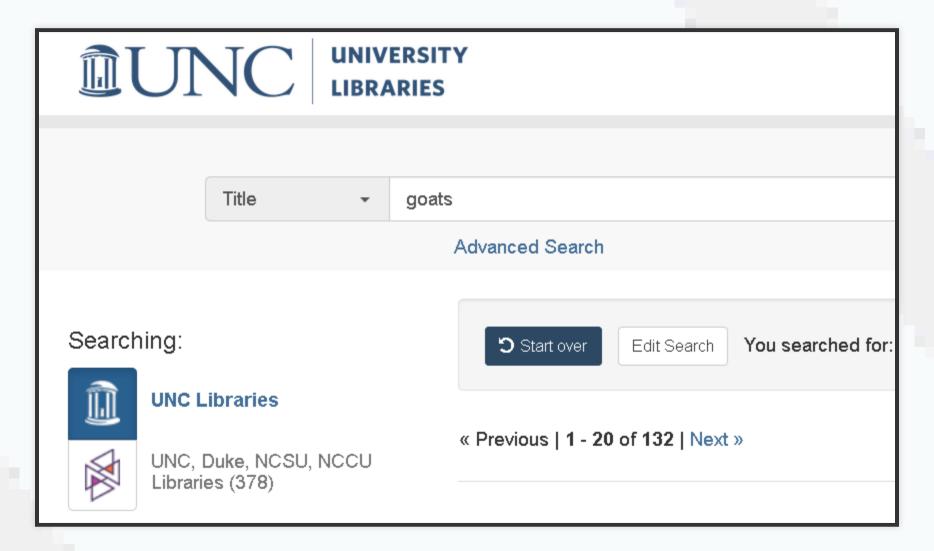
#### Introduction (About me)

- Library Data Strategist, Head of Library Data Strategy & Services
- TRLN Discovery Developer Team

## Introduction (About the shared online catalog)

- TRLN initiative since 2007
- Legacy to now Endeca
  - http://search.trln.org/
  - https://search.lib.unc.edu/
  - https://search.lib.unc.edu/filmfinder/
- Coming soon TRLN Discovery
  - https://disco-qa.lib.unc.edu/

#### "Expand to TRLN"



## TRLN Discovery: Shared index: Solr

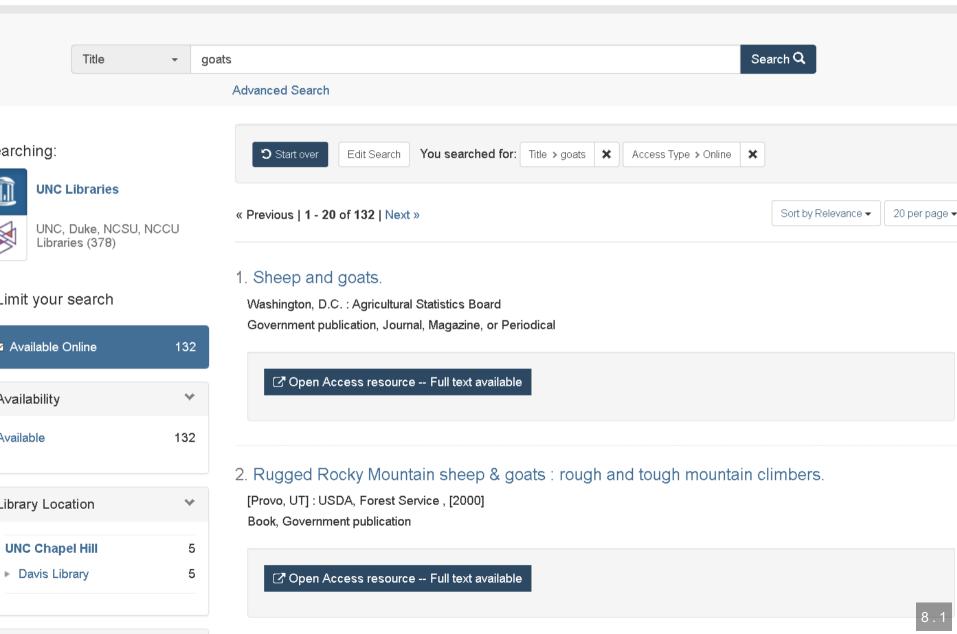
- Solr
  - open source
  - index + search

```
int
:true.
main t:goats AND access type f:Online AND institution a:unc"}},
mFound":129, "start":0, "docs":[
b3547657",
"{\"href\":\"http://purl.access.gpo.gov/GPO/LPS4781\",\"type\":\"fulltext\",\"text\":\"Open Access resource -- Full text ava
uggest":["United States. Agricultural Statistics Board",
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e\":\"United States. National Agricultural Statistics Service\"}"l.
:["unc"],
a":["LCCN: 00230086",
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em Number: 0021-N (online)"],
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eral a":["\"MtAn 5-2,\" Jan. 29, 1999-",
ption based on: Jan. 1, 1995; title from screen caption.",
issue consulted: Feb. 1, 2008."],
mary a":["This full-text file contains the number of sheep, value and classes; Angora goat and all goat inventory and <u>value</u>:
ons keeping sheep; operations and inventory by size groups, regions, and U.S.; total number on feed for slaughter. StatGs1ic
```

Headers

# TRLN Discovery: Shared catalog application: Blacklight

- Blacklight
  - open source
  - library-created
  - discovery interface



```
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Headers

## TRLN Discovery: Shared data model: Argot

- Argot is our name for our shared data model
  - MARC -> Argot
  - Digital collections -> Argot
  - ICPSR DDI metadata -> Argot
- Argot specification is publicly available

## Representing subject data in Argot

- subject\_headings
- subject\_suggest
- subject\_topical
- subject\_chronological
- subject\_geographic
- subject\_headings\_remapped

### Subject data in Argot: subject\_headings

- indexed for keyword and subject search
- displayed in full record view with adaptive hyperlinking

=650 \0\$aAbolitionists\$zNorth Carolina\$xHistory\$y19th century\$vSources.

```
"subject_headings": [
"Abolitionists -- North Carolina -- History -- 19th century -- Sources
]
```

#### This item is about

- Antislavery movements > North Carolina > Sources
- Abolitionists > North Carolina > History >
   19th century > Sources

## Example mappings: subject\_headings

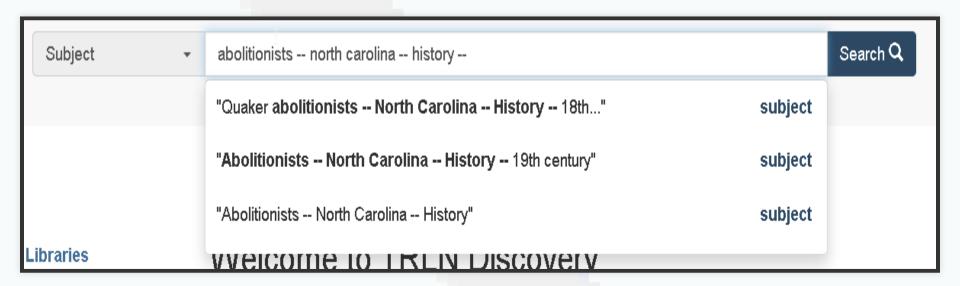
element/field -	subelement/subfield(s)	constraints	processing_type
cicincing neid	Jabele menty submera(s)		processing_cype
653	a	i2 =~ /[ 012345]/	subelement_to_value
662	abcdfgh	none	concat_subelements
656	akvxyz	none	concat_subelements
657	avxyz	none	concat_subelements
600	abcdfghjklmnopqrstuvxyz	none	concat_subelements
610	abcdfghklmnoprstuvxyz	none	concat_subelements
650	abcdgvxyz	none	concat_subelements
611	acdefghklnpqstuvxyz	none	concat_subelements
647	acdgvxyz	none	concat_subelements
630	adfghklmnoprstvxyz	none	concat_subelements
651	agvxyz	none	concat_subelements
648	avxyz	none	concat_subelements

#### Subject data in Argot: subject\_suggest

- searched when you start typing in keyword or subject search box
- displayed in auto-suggest dropdown

=650 \0\$aAbolitionists\$zNorth Carolina\$xHistory\$y19th century\$vSources.

```
"subject_suggest": [
"Abolitionists -- North Carolina -- History -- 19th century -- Sources"
]
```



#### Subject data in Argot: subject\_topical

populates "About Topic" facet

=650 \0\$aAbolitionists\$zNorth Carolina\$xHistory\$y19th century\$vSources.

```
"subject_topical": [
   "Abolitionists", "History"
]
```



#### Example mappings: subject\_topical

element/field subelement/subfield(s)	<b>□</b> constraints	_ processing_type _
600 abcdfghjklmnopqrstu	none	concat_subelements
600 x	none	subelement_to_value
610 abcdfghklmnoprstu	none	concat_subelements
610 x	none	subelement_to_value
611 acdefghkInpqstu	none	concat_subelements
611 x	none	subelement_to_value
630 adfghklmnoprst	none	concat_subelements
630 x	none	subelement_to_value
647 acdg	none	concat_subelements
647 x	none	subelement_to_value
648 x	none	subelement_to_value
650 abcdg	none	concat_subelements
650 x	none	subelement_to_value
651 x	none	subelement_to_value

	653 a	i2 = 4	subelement_to_value
ı	653 a	i2 =~ /[ 0123]/	subelement_to_value
ı	656 a	none	subelement_to_value
١	656 x	none	subelement_to_value

## Subject data in Argot: subject\_chronological, subject\_geographic

populates "About Time Period" and "About Places" facets

=650 \0\$aAbolitionists\$zNorth Carolina\$xHistory\$y19th century\$vSources.

```
"subject_chronological": [
   "19th century"
],
"subject_geographic": [
   "North Carolina"
]
```

About Time Period	*
19th century	22
Civil War, 1861-1865	7
1775-1865	4
1865-1950	3
1861 - 1865	2
18th century	2
1861-1865	1
John Brown's Raid, 1859	1
Revolution, 1775-1783	1

About Places	*
North Carolina	52
United States	27
Southern States	5
Ohio	4
Arkansas	2
Cabarrus County (N.C.)	2
Confederate States of America	2
Cottage Home Plantation (Lin- coln County, N.C.)	2
Dallas County (Ala.)	2
Indiana	2
more »	

# Subject data in Argot: subject\_headings\_remapped

- NOT displayed in record, facets, or auto-suggest
- indexed for keyword and subject search

=650 \0\$alllegal aliens\$zEurope.

```
"subject_topical": [
    "Undocumented immigrants"
],
    "subject_headings": [
        "Undocumented immigrants -- Europe"
],
    "subject_headings_remapped": [
        "Illegal aliens -- Europe"
]
```

#### This item is about

Undocumented immigrants > Europe

Undocumented immigrants > Senegal

#### Behavior in TRLN Discovery

- Search for subject: "illegal aliens"
  - 1993 results; not seen in About Topic facet, record; autosuggest issue
- Search for subject: "undocumented immigrants"
  - 1974 results; seen in About Topic facet, record

Not perfect yet... Proof of concept stage! Some weird glitches to look into

#### What to remap and what to map it to?

- Initial list for proof of concept
- Not complete
- Need TRLN-wide agreement
- Governance for this still undecided
- Your input needed

#### So what?

- This doesn't make our catalog unbiased or fully inclusive (c.f. Emily Drabinski)
- Can be seen as confusing to users Is CU's approach better?
- Technically, not very difficult
- Small step = good step?