

# Working with Call Numbers in Alma Analytics

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# Where do call numbers in Alma come from?

Physical items: Holding Record

Titles: Bib Record

Ebooks/Einventory: Bib Record

- Many (all?) ebook records from CZ will lack Call Numbers; overlaying \*purchased\* CZ ebook records with OCLC records, etc. can make more call number classes available to you




# Why don't call numbers sort properly?

Alma, Excel, etc. thinks LC call numbers should be sorted like this:

BT741.3 .B63 2005

BT77 .L3495 2005

BT982 .P43 2005



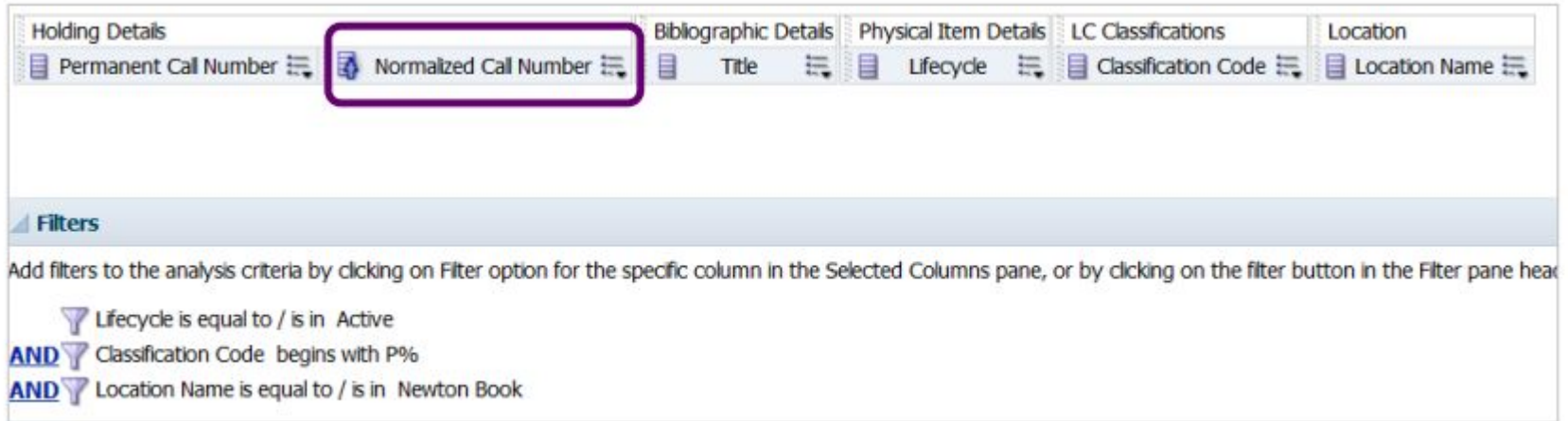
# Call Numbers Need to be Normalized to Sort Properly

B638 .D53 2005 →

**b!0638!**d!53!**0000002005**

("normalized")

# Normalized Call Numbers in Alma Analytics



The screenshot displays the Alma Analytics interface. At the top, there are several column headers: 'Holding Details', 'Bibliographic Details', 'Physical Item Details', 'LC Classifications', and 'Location'. Under 'Holding Details', the 'Normalized Call Number' column is highlighted with a purple box. Below the column headers is a 'Filters' section. It contains the following filters:

- Lifecycle is equal to / is in Active
- AND Classification Code begins with P%
- AND Location Name is equal to / is in Newton Book

Caveat: Normalized Call Numbers Not available for E-Inventory (Yet) :(

To Hide the Normalized Call Numbers, Edit View -> Choose Column Properties Menu -> Click "Hidden"

[https://knowledge.exlibrisgroup.com/Alma/Community\\_Knowledge/Understanding\\_Normalized\\_Call\\_Numbers\\_in\\_Analytics](https://knowledge.exlibrisgroup.com/Alma/Community_Knowledge/Understanding_Normalized_Call_Numbers_in_Analytics)



## CSV Utility (In Development)

<http://lmagnuson.pythonanywhere.com/>

Upload a CSV (must be encoded in UTF-8) and receive a file back with added normalized call numbers

Caveat: Currently only small-ish files are supported (less than 5,000 items)

# CSV Utility Output

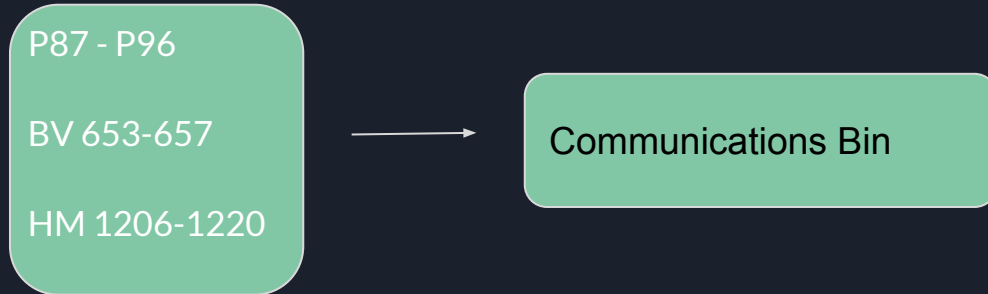
	A	B	C	D	E	F
1	CallNumber	Author	Title	OCN	CallNumber	
2	b!0638!d!53!0000002005	Hanegraaff, V	Dictionary of	57357426	B638 .D53 2005	
3	b!0638!d!53!0000002005	Hanegraaff, V	Dictionary of	57357426	B638 .D53 2005	
4	bf!0431!c!26835!0000002004	Barton, David	Original inter	57144560	BF431 .C26835 2004	
5	bf!0504!h!36!0000002005	Elliot, Andrew	Handbook of	57251072	BF504 .H36 2005	
6	bj!1275!p!37!0000002004	Parry, Robin	Old Testame	57332093	BJ1275 .P37 2004	
7	br!0115!n!87!k!86!0000002004	Kunin, Seth I	We think wh	57168484	BR115.N87 K86 2004	
8	br!0118!v!36!0000002005	Vanhoozer, K	The drama o	57068823	BR118 .V36 2005	
9	br!0145.3!j!64!0000002005	Johnson, Ma	The evolutio	57134433	BR145.3 .J64 2005	
10	br!0165!b!288!0000002005	Barnett, Pau	The birth of	57210954	BR165 .B288 2005	
11	br!0165!m!67!0000002005	Chilton, Bruc	The missions	57119496	BR165 .M67 2005	
12	br!0333.5!j!8!m!3613!0000002005	Mannermaa,	Christ preser	57134490	BR333.5.J8 M3613 2005	
13	br!0479!m!87!0000002004	Murray, Stua	Church after	57356224	BR479 .M87 2004	
14	br!0515!c!526!0000002005	Roozen, Davi	Church, iden	57193221	BR515 .C526 2005	
15	br!0526!w!265!0000002005	Wallis, Jim.	God's politic	57342127	BR526 .W265 2005	
16	br!1297!y!8!h!3163!0000002004	Yun,; Ko So	Hanu	57120518	BR1297.Y8 H3163 2004	



# Alma Analytics Bins

Bins allow you to group data for more simplified sorting (for example, to map call numbers to liaison areas for subject librarian use)

For example, you can map all call numbers P87 and P96 to Communication, as well as BV 653-657, HM 1206-1220, etc. Bins can store many call numbers into a single bin.





# Make Some Bins

Note: I used 'start range' because it's available for both physical and e-inventory but you could (should?) use normalized call numbers to build bins

**Edit Column Formula**

Column Formula **Bins**

1.	Start Range is between RT1 and RT120	Nursing	X ▼
2.	Start Range is between RV11 and RV431	Nursing	X ▼ ▲
3.	Start Range is between AC1 and AI21	General	X ▼ ▲
4.	Start Range is between AM1 and AMS01	History	X ▼ ▲
5.	Start Range is between AN1	General	X ▼ ▲

Treat result as a numeric value or expression

Add Bin Clear All

OK Cancel

# Prompt The Bins (Filter -> Is Prompted)

**Selected Columns**

Double click on column names in the Subject Areas pane to add them to the analysis. Once added, drag-and-drop columns to reorder them. Edit a column's properties, formula and filters, apply sorting, or delete by clicking over the button next to its name.

LC Classifications	Bibliographic Details	Physical Item Details	Holding Details	Bibliographic Details		
Start Range	Title	Author	Num of Loans (In House + Not In House)	Permanent Call Number	Normalized Call Number	Publication Date

**Filters**

Add filters to the analysis criteria by clicking on Filter option for the specific column in the Selected Columns pane, or by clicking on the filter button in the Filter pane header. Add a saved filter by clicking on add button name in the catalog pane.

- ▼ Lifecycle is equal to / is in Active
- AND** ▼ Material Type is equal to / is in Book
- AND** ▼ Permanent Call Number Type is equal to / is in Library of Congress classification
- AND** ▼ CASE WHEN Start Range BETWEEN 'RT1' AND 'RT120' THEN 'Nursing' WHEN Start Range BETWEEN 'RV11' AND 'RV431' THEN 'Nursing' WHEN Start Range BETWEEN 'AC1' AND 'AI21' THEN 'General' WHEN " is prompted
- AND** ▼ Publication Date is less than 2014
- AND** ▼ Num of Loans (In House + Not In House) is equal to / is in 0

# Make a Dashboard Prompt

New -> Dashboard Prompt

Copy/paste your bonkers bins formula into the prompt

The image shows two overlapping dialog boxes from a software application. The top dialog, titled "Edit Prompt: Subject (Based on Call Number)", has the following fields: "Prompt For Column" set to "CASE WHEN 'LC Cla...", "Label" set to "Subject (Based on Call Number)", "Description" is empty, "Operator" set to "is equal to / is in", and "User Input" set to "Choice List". The bottom dialog, titled "Edit Column Formula", has a "Column Formula" tab selected. On the left is a tree view of "Subject Areas" including "Physical Items", "Physical Item Details", "Holding Details", "Item Creation Date", "Item Modification Date", "Library Unit", "Location", "Temporary Location", "Bibliographic Details", "LC Classifications", "Dewey Classifications", "PO Line", "Fund Information", and "Institution". The main area of the dialog contains a complex SQL-like formula: `CASE WHEN "LC Classifications"."Start Range" BETWEEN 'RT1' AND 'RT120' THEN 'Nursing' WHEN "LC Classifications"."Start Range" BETWEEN 'RV11' AND 'RV431' THEN 'Nursing' WHEN "LC Classifications"."Start Range" BETWEEN 'AC1' AND 'AI21' THEN 'General' WHEN "LC Classifications"."Start Range" BETWEEN 'AM1' AND 'AM501' THEN 'History' WHEN "LC Classifications"."Start Range" BETWEEN 'AN1' AND 'AY2001' THEN 'General' WHEN "LC Classifications"."Start Range" BETWEEN 'AZ1' AND 'AZ999' THEN 'History' WHEN "LC Classifications"."Start Range" BETWEEN 'B1' AND 'BD9999' THEN 'Philosophy' WHEN "LC Classifications"."Start Range" BETWEEN 'BF1' AND 'BF449' THEN 'Psychology' WHEN "LC Classifications"."Start Range" BETWEEN 'BF455' AND 'BJ2195' THEN 'Language (Modern Languages)' WHEN "LC Classifications"."Start Range" BETWEEN 'BF501' AND 'BF865' THEN 'Psychology' WHEN "LC Classifications"."Start Range" BETWEEN 'BF866' AND 'BF2049' THEN 'Philosophy' WHEN "LC Classifications"."Start Range" BETWEEN 'BF1068' AND 'BF1779' THEN 'Psychology' WHEN "LC Classifications"."Start Range" BETWEEN 'BF2050' AND 'BF2055' THEN 'Philosophy' WHEN "LC Classifications"."Start Range" BETWEEN 'BH1' AND 'BR9999' THEN 'Philosophy' WHEN "LC Classifications"."Start Range" BETWEEN 'BS1' AND 'BS9999' THEN 'Literature' WHEN "LC Classifications"."Start Range" BETWEEN 'BT1' AND 'BV633' THEN 'Philosophy' WHEN "LC Classifications"."Start Range" BETWEEN 'BV900' AND 'BX9969' THEN 'Philosophy' WHEN "LC Classifications"."Start Range" BETWEEN 'BV653' AND 'BV657' THEN 'Communication' WHEN "LC`

# Make a Dashboard for Collection Development!

**CMC Dashboard**

**Item Counts** All Print Books Non-Circulating Print Books

Subject (Based on Call Number) Business

**Print Items, Loans, Median Age by Subject (Bins)**

Start Range	Num of Items (In Repository)	Num of Loans (In House + Not In House)	Median Publication Date
Business	12,341	4,243	1992

**Count of Physical Items by Mat Type by Subject (Bins)**

Start Range	Num of Items (In Repository)	Num of Loans (In House + Not In House)	Material Type
Business	14,771	4,832	Book
	102	16	CD-ROM
	6	6	Compact Disc
	225	150	DVD
	1	0	DVD-ROM
	1	4	Game
	1	0	Graphic
	3	20	Kit
	1	0	Map
	4	1	Music Score
	45	5	Pamphlet
	3	27	Toy
	246	46	Video cassette

## Non Circulating Items Older than 5 Years

Start Range	Title	Author	Permanent Call Number	Publication Date	Num of Loans (In House + Not In House)
Business	Sports mega-events : social scientific analyses of a global phenomenon /		GV712 .S66 2006	2006.	0
Business	Sports spectators /	Guttman, Allen.	GV715 .G88 1986	1986.	0
Business	The wages of wins : taking measure of the many myths in modern sport /	Berri, David J.	GV716 .B47 2007	2007.	0
Business	The economics of sport, health and happiness : the promotion of well-being through sporting activities /		GV716 .E365 2011	2011.	0
Business	The political economy of sport /		GV716 .P65 2005	2005.	0
Business	Sports marketing and the psychology of marketing communication /		GV716 .S649 2004	2004.	0
Business	The bottom line : observations and arguments on the sports business /	Zimbalist, Andrew S.	GV716 .Z56 2006	2006.	0
Business	The games must go on : Avery Brundage and the Olympic movement /	Guttman, Allen.	GV721.2.B78 C87 1984	1984	0
Business	Entrepreneurship, geography, and American economic growth /	Ács, Zoltán J.	HB615 .A32 2006	2006.	0
Business	The entrepreneurial society /	Audretsch, David B.	HB615 .A933 2007	2007.	0
Business	The entrepreneur in microeconomic theory : disappearance and explanation /	Barreto, Humberto, 1960-	HB615 .B37 1989	1989.	0
Business	Entrepreneurs : talent, temperament, technique /	Bolton, Bill (Bill K.)	HB615 .B657 2000	2000.	0
Business	Country studies in entrepreneurship : a historical perspective /		HB615 .C67 2006	2006.	0
Business	The emergence of entrepreneurial economics /		HB615 .E44 2005	2005.	0
Business	Teaching innovation and entrepreneurship : building on the Singapore experiment /	Hampden-Turner, Charles.	HB615 .H254 2009	2009.	0
Business	Entrepreneurship and the market process : an enquiry into the growth of knowledge /	Harper, David A.	HB615 .H335 1996	1996.	0
Business	The entrepreneur : mainstream views & radical critiques /	Hébert, Robert F.	HB615 .H34 1988	1988.	0
Business	Time, uncertainty, and information /	Hirshleifer, Jack.	HB615 .H57 1989	1989.	0
Business	Intellectual property and entrepreneurship /		HB615 .I5745 2004	2004.	0
Business	International entrepreneurship /		HB615 .I58 2005	2005.	0
Business	International handbook of research on indigenous entrepreneurship /		HB615 .I583 2007	2007.	0
Business	The economics of safety and physical risk /	Jones-Lee, M. W.	HB615 .J68 1989	1989.	0
Business	Discovery, capitalism, and distributive justice /	Kirzner, Israel M.	HB615 .K58 1989	1989.	0
Business	Communist entrepreneurs : unknown innovators in the global economy /	Kiser, John W.	HB615 .K6 1989	1989.	0
Business	Entrepreneurship and public policy : can government stimulate business startups? /	Mokry, Benjamin W.	HB615 .M65 1988	1988.	0
Business	The Oxford handbook of entrepreneurship /		HB615 .O94 2006	2006.	0
Business	The evolution of regional economies : entrepreneurship and macroeconomic change /	Suarez-Villa, Luis.	HB615 .S89 1989	1989.	0
Business	Unknowledge and choice in economics : proceedings of a conference in honour of G.L.S. Shackle /		HB615 .U56 1990	1990.	0
Business	Economic analysis of property rights /	Barzel, Yoram.	HB701 .B37 1989	1989.	0
Business	Contracting for property rights /	Libecap, Gary D.	HB701 .L695 1989	1989.	0
Business	The noblest triumph : property and prosperity through the ages /	Bethell, Tom.	HB711 .B477 1998	1998.	0
Business	Property rights /		HB711 .P734 1994	1994.	0
Business	Property rights and economic reform in China /		HB711 .P736 1999	1999.	0
Business	Frontiers of management /		HD29 .F77 1989	1989.	0
Business	Dynamic planning : the art of managing beyond tomorrow /	Goldberg, Beverly.	HD30 .G63 1994	1994.	0
Business	The Blackwell encyclopedia of management.		HD30.15 .B455 2005 Index	2005.	0
Business	The Blackwell encyclopedia of management.		HD30.15 .B455 2005 v.1	2005.	0
Business	The Blackwell encyclopedia of management.		HD30.15 .B455 2005 v.7	2005.	0
Business	The Blackwell encyclopedic dictionary of accounting /		HD30.15 .B53 v.1	1997.	0
Business	The Blackwell encyclopedic dictionary of operations management /		HD30.15 .B53 v.10	1997.	0
Business	The Blackwell encyclopedic dictionary of business ethics /		HD30.15 .B53 v.11	1997.	0
Business	Index /		HD30.15 .B53 v.12	1997.	0
Business	The Blackwell encyclopedic dictionary of strategic management /		HD30.15 .B53 v.2	1997.	0
Business	The Blackwell encyclopedic dictionary of regional economies /		HD30.15 .B53 v.5	1997.	0



# NZ Call Numbers for Resource Sharing Stats

-You probably want a list of requested items by subject from CSU+

-Call numbers are not really available in the Borrowing Subject Area (or stored in your IZ so you can get to them, at least that I have found)

-Go to the NZ and make some bins!

## CSU+ Requests with ISBN

H

Criteria

Results

Prompts

Advanced

### Subject Areas

- Note
- Partner Active Status
- Patron Information Indicator
- Request Completed Indicator
- Requested Format
- Request Non-Fulfilled Date
- Request Sending Date
- Shipping Cost
- Shipping Cost Currency
- Title

### Borrowing Creation Date

- Borrowing Creation Date
- Borrowing Creation Month Key
- Borrowing Creation Month
- Borrowing Creation Full Month
- Borrowing Creation Quarter
- Borrowing Creation Year
- Borrowing Creation Fiscal Month
- Borrowing Creation Fiscal Year



### Selected Columns

Double click on column names in the Subject Areas pane to add them to the analysis. Once added, drag-and-drop columns to re-order them. Click the button next to its name.

#### Bibliographic Details

- Title
- MMS Id
- LC Classification Top Line
- ISBN (Normalized)

#### Library Unit

- Library Name

### Filters

Add filters to the analysis criteria by clicking on Filter option for the specific column in the Selected Columns pane, or by clicking on the column name in the catalog pane.

Institution Name is equal to / is in California State University San Marcos

**AND** Title is not null



# LC Classification Top Line

Instead of creating a separate analysis, if you just want the general subject (not the full call number) you could create bins from this



# Make an Analysis Based on Another Analysis

## CSU+ Request Data by ISBN (call numbers)

Criteria Results Prompts Advanced

**Subject Areas**

- Physical Items
  - Physical Item Details
  - Holding Details
  - Item Creation Date
  - Item Modification Date
  - Library Unit
  - Location
  - Temporary Location
  - Bibliographic Details
  - LC Classifications
  - Dewey Classifications
  - PO Line
  - Fund Information
  - Institution

**Selected Columns**

Double click on column names in the Subject Areas pane to add them to the analysis. Once added, drag-and-drop columns to the button next to its name.

LC Classifications	Bibliographic Details	Holding Details
Subject	Title	ISBN
		Permanent Call Number
		Normalized Call Number

**Filters**

Add filters to the analysis criteria by clicking on Filter option for the specific column in the Selected Columns pane, or by clicking name in the catalog pane.

ISBN is equal to any ISBN (Normalized) in CSU+ Requests with ISBN

# CSU+ Request Data by ISBN (call numbers)

Criteria **Results** Prompts Advanced

## Subject Areas

- Physical Items
  - Physical Item Details
  - Holding Details
  - Item Creation Date
  - Item Modification Date
  - Library Unit
  - Location
  - Temporary Location
  - Bibliographic Details
  - LC Classifications
  - Dewey Classifications
  - PO Line
  - Fund Information
  - Institution

## Catalog

- List All
- My Folders
  - Shared Folders

## Views

- Title
- Table

## Compound Layout

Title

### CSU+ Request Data by ISBN (call numbers)

Table

Subject Business

Title

- Sports marketing /
- The political economy of sport /
- Major league winners : using sports and cultural centers as tools for economic development /
- The Palgrave handbook of olympic studies /
- Race, culture, and the revolt of the Black athlete : the 1968 Olympic protests and their aftermath /
- Awakening the entrepreneur within : how ordinary people can create extraordinary companies /
- Handbook of qualitative research methods in entrepreneurship /
- The entrepreneurial state : debunking public vs. private sector myths /
- The automatic customer : creating a subscription business in any industry /
- The myth of property : toward an egalitarian theory of ownership /
- The noblest triumph : property and prosperity through the ages /
- The Predators' Ball : the junk-bond raiders and the man who staked them /
- Lifebuoy men, lux women : commodification, consumption, and cleanliness in modern Zimbabwe /
- Systems thinking basics : from concepts to causal loops /
- The adventures of an IT leader /
- Does IT matter? : information technology and the corrosion of competitive advantage /

> Selection Steps