# Library Decisions with Alma Analytics

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Setting Desk Schedules

Purchasing Equipment

Collection Development

Report Setup

- -Use of Bins / Case
- -Calculated Fields
- -Cast
- -Visualization

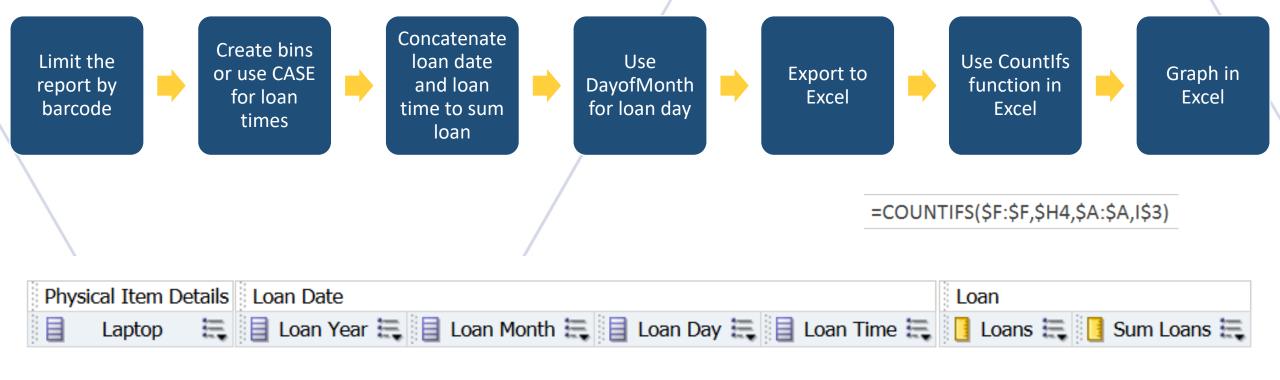


# Purchasing Equipment

- Problem: 30 aging laptops/tablets of various size, type, and brand.
- How many and what type do we purchase?
- To determine the number, we need to know the average number checked out simultaneously.

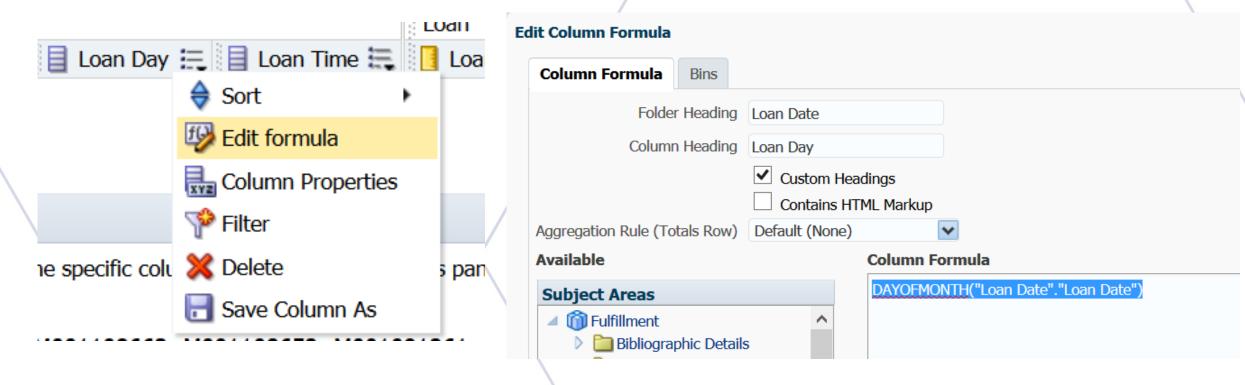
	Loans				
Laptop	2015	2016	2017	2018	
Dell Latitude	819	2,272	1,934		
Dell Tablet	3,369	3,059	2,612	199	
HP Laptop			575	1,043	
Levovo Ideapad			323		

# Purchasing Equipment Report



### Loan Day

DAYOFMONTH("Loan Date"."Loan Date")



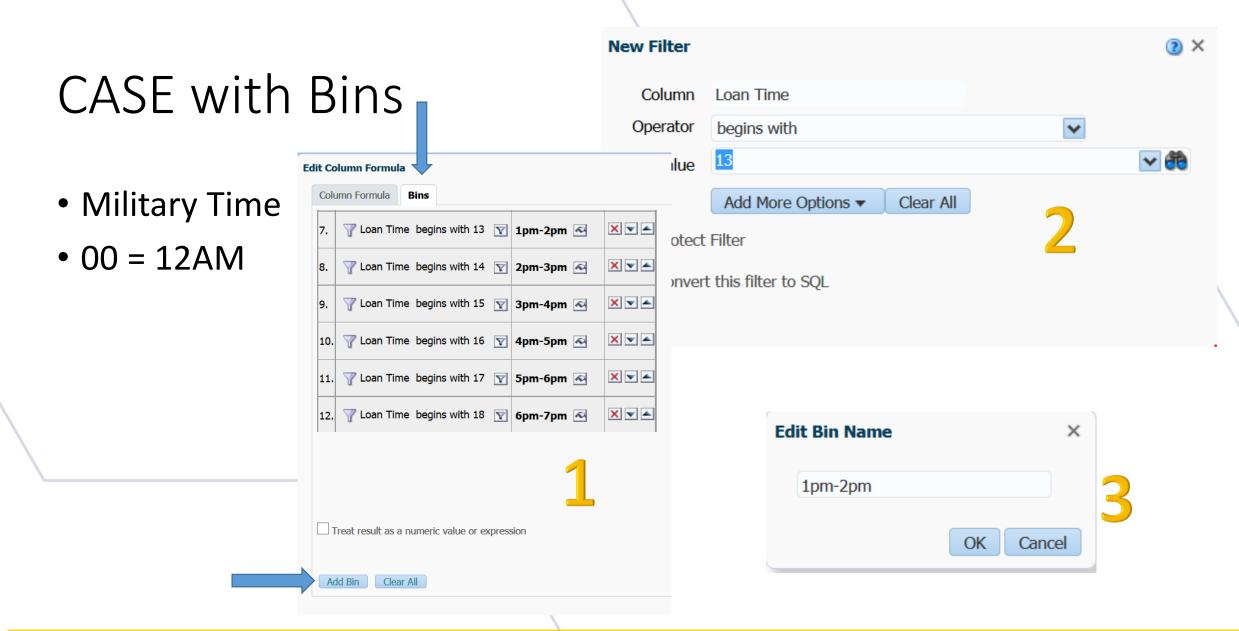
#### **CASE**

#### **Laptops**

CASE WHEN "Physical Item Details". "Barcode" IN ('M001097513', 'M001097525', 'M001097526', 'M001097527', 'M001097528', 'M001097529', 'M001097530', 'M001097531') THEN 'Dell Latitude' WHEN "Physical Item Details". "Barcode" IN 'M001091261', 'M001091269', 'M001091266' M001091262',´!M001091268',´!M001091277 'M001091267', 'M001091274', 'M001091270' 'M001091265', 'M001022449', 'M001091264 'M001091263', 'M001106889', 'M001091272', WHEN "Physical Item Details". "Barcode" IN ('M001108653', 'M001108654', 'M001108663', 'M001108652') THEN 'Levovo Ideapad' WHEN "Physical Item Details"."Barcode" IN ('M000997586', 'M000997599', 'M000997598', 'M000997600', 'M000997601', 'M000997597', 'M000997585', 'M000997602') THEN 'HP Laptop' ELSE 'Other' END

#### Loan Time

CASE WHEN "Loan Date"."Loan Time" LIKE '07%' THEN '7am-8am' WHEN "Loan Date"."Loan Time" LIKE '08%' THEN '8am-9am' WHEN "Loan Date"."Loan Time" LIKE '10%' THEN '10am-11am' WHEN "Loan Date"."Loan Time" LIKE '11%' THEN '11am-12pm' WHEN "Loan Date"."Loan Time" LIKE '12%' THEN '12pm-1pm' WHEN "Loan Date"."Loan Time" LIKE '13%' THEN '1pm-2pm' WHEN "Loan Date"."Loan Time" LIKE '14%' THEN '2pm-3pm' WHEN "Loan Date"."Loan Time" LIKE '15%' THEN '3pm-4pm' WHEN "Loan Date"."Loan Time" LIKE '16%' THEN '4pm-5pm' WHEN "Loan Date"."Loan Time" LIKE '18%' THEN '5pm-6pm' WHEN "Loan Date"."Loan Time" LIKE '18%' THEN '6pm-7pm' WHEN "Loan Date"."Loan Time" LIKE '19%' THEN '7pm-8pm' WHEN "Loan Date"."Loan Time" LIKE '22%' THEN '9pm-10pm' WHEN "Loan Date"."Loan Time" LIKE '22%' THEN '10pm-11pm' WHEN "Loan Date"."Loan Time" LIKE '22%' THEN '10pm-11pm' WHEN "Loan Date"."Loan Time" LIKE '23%' THEN '11pm-12am' WHEN "Loan Date"."Loan Time" LIKE '03%' THEN '3am-4am' WHEN "Loan Date"."Loan Time" LIKE '03%' THEN '3am-4am' WHEN "Loan Date"."Loan Time" LIKE '03%' THEN '3am-4am' WHEN "Loan Date"."Loan Time" LIKE '04%' THEN '4am-5am' WHEN "Loan Date"."Loan Time" LIKE '05%' THEN '5am-6am' WHEN "Loan Date"."Loan Time" LIKE '04%' THEN '4am-5am' WHEN "Loan Date"."Loan Time" LIKE '05%' THEN '5am-6am' WHEN "Loan Date"."Loan Time" LIKE '06%' THEN '6am-7am' ELSE 'Other' END



#### Sum Loan – Concatenation & CAST

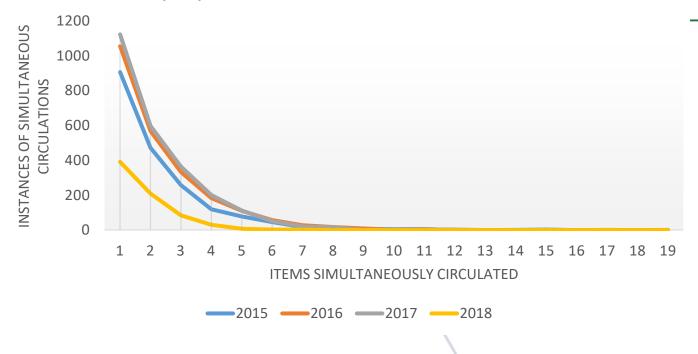
Sum("Loan"."Loans" BY (CAST("Loan Date"."Loan Date" AS CHAR)||' - '||CASE WHEN "Loan Date"."Loan Time" LIKE '07%' THEN '7am-8am' WHEN "Loan Date"."Loan Time" LIKE '08%' THEN '8am-9am' WHEN "Loan Date"."Loan Time" LIKE '09%' THEN '9am-10am' WHEN "Loan Date". "Loan Time" LIKE '10%' THEN '10am-11am' WHEN "Loan Date". "Loan Time" LIKE '11%' THEN '11am-12pm' WHEN "Loan Date"."Loan Time" LIKE '12%' THEN '12pm-1pm' WHEN "Loan Date". "Loan Time" LIKE '13%' THEN '1pm-2pm' WHEN "Loan Date"."Loan Time" LIKE '14%' THEN '2pm-3pm' WHEN "Loan Date"."Loan Time" LIKE '15%' THEN '3pm-4pm' WHEN "Loan Date"."Loan Time" LIKE '16%' THEN '4pm-5pm' WHEN "Loan Date". "Loan Time" LIKE '17%' THEN '5pm-6pm' WHEN "Loan Date". "Loan Time" LIKE '18%' THEN '6pm-7pm' WHEN "Loan Date"."Loan Time" LIKE '19%' THEN '7pm-8pm' WHEN "Loan Date"."Loan Time" LIKE '20%' THEN '8pm-9pm' WHEN "Loan Date"."Loan Time" LIKE '21%' THEN '9pm-10pm' WHEN "Loan Date"."Loan Time" LIKE '22%' THEN '10pm-11pm' WHEN "Loan Date"."Loan Time" LIKE '23%' THEN '11pm-12am' WHEN "Loan Date"."Loan Time" LIKE '00%' THEN '12am-1am' WHEN "Loan Date"."Loan Time" LIKE '01%' THEN '1am-2am' WHEN "Loan Date". "Loan Time" LIKE '02%' THEN '2am-3am' WHEN "Loan Date"."Loan Time" LIKE '03%' THEN '3am-4am' WHEN "Loan Date"."Loan Time" LIKE '04%' THEN '4am-5am' WHEN "Loan Date"."Loan Time" LIKE '05%' THEN '5am-6am' WHEN "Loan Date"."Loan Time" LIKE '06%' THEN '6am-7am' ELSE 'Other' END))

#### Sum Loan – Concatenation & CAST

- Loans are lists for each barcode for a particular date during a one hour time period.
- We want total loans (all barcodes) for a particular date and time.
- Sum (<col1> BY <col2) Red.
- Col2 is the issue. It is the combination of the loan date and loan time.
- Concatenate: <loan date> || '/- ' || <loan time> Orange.
- Error concatenating dates. Need to change the field type to CHAR
- CAST (<loan date> AS CHAR) Blue.
- Loan time is created by the CASE function. You have to concatenate the entire CASE function for loan time. Green.

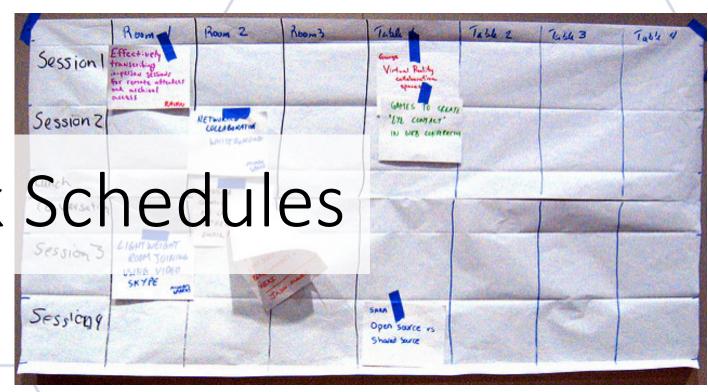
#### **Excel Visualization**





	2015	2016	2017	2018
1	906	1055	1123	391
2	472	568	598	209
3	258	333	364	84
4	119	183	201	30
5	78	110	112	7
6	46	57	51	2
7	17	27	21	2
8	11	17	15	0
9	6	9	1	0
10	5	2	3	0
11	5	5	3	0
12	1	0	2	0
13	0	0	0	0
14	1	0	0	0
15	2	0	0	0
16	0	0	0	0
17	0	1	0	0
18	0	0	0	0

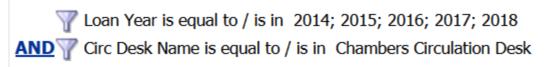
Setting Desk Schedules



#### Desk Schedules

- What are our busiest times?
- How many people should we schedule?
- Can limit by desk, if you have multiple circulation desks in Alma.
- Filter by loan year.
- This will give you the busiest hours.
- Change CASE labels for loan time so they can be sorted 0-23.





Loan Date

Loan Year

Sum Loans

More Columns ...

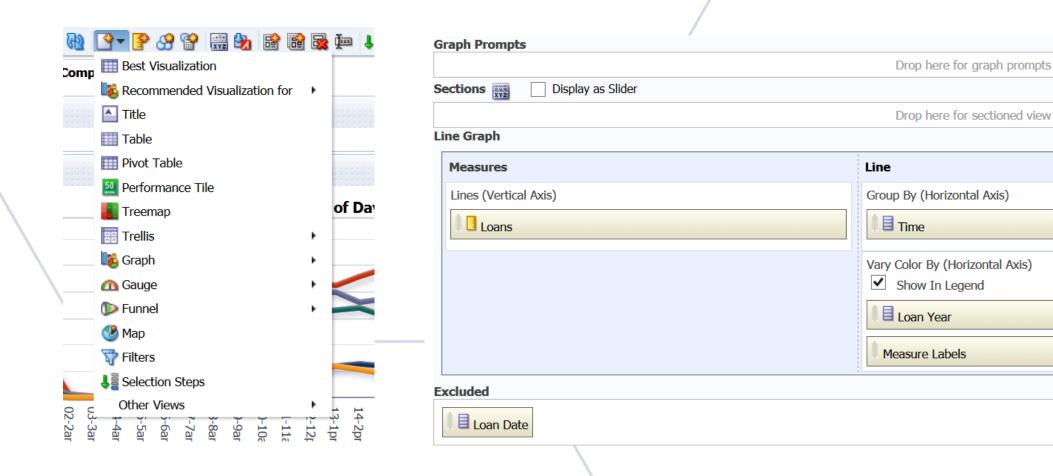
click

Time

Loans



#### Alma Visualization

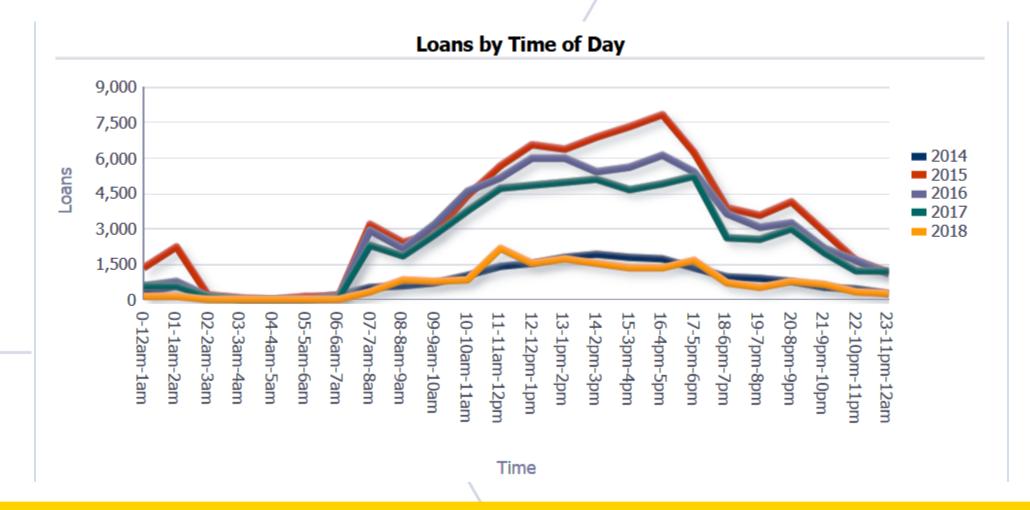


Samp

Loans

Show Subject

#### Alma Visualization Cont...



#### Desk Schedules – Further Consideration

- How many loans constitute scheduling extra people?
- Is there a way to pull the data that shows loans/patron (transactions)?

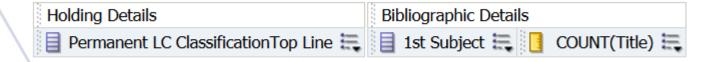


# Collection Development by Subject

Group by topline LC call number

Going to use the 1st Subject heading

Count the number of titles in that area



Permanent LC ClassificationTop Line is between QA75.5 and QA76.95

AND Material Type is equal to / is in Book

# Subject & Title Fields

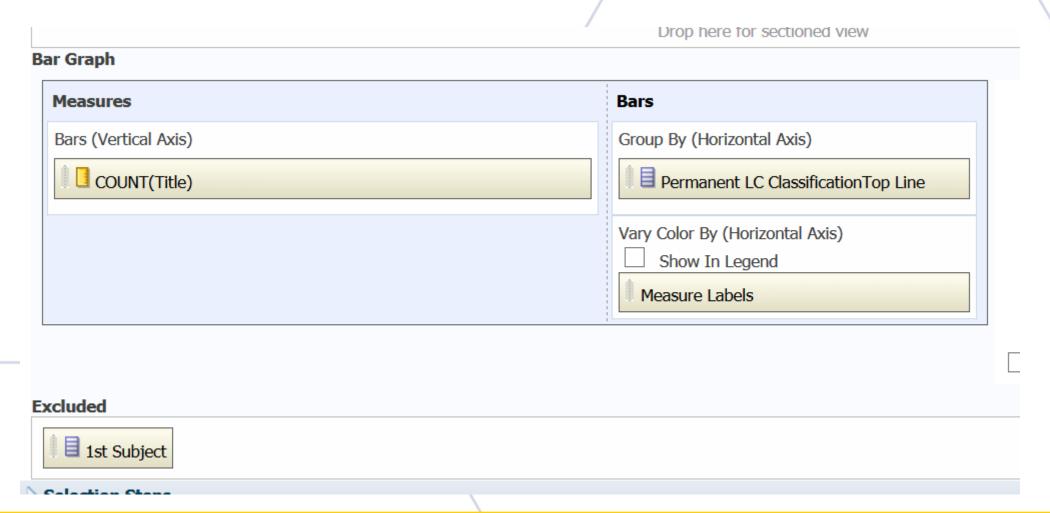
#### 1<sup>st</sup> Subject

CASE WHEN
 LOCATE(';',"Bibliographic
 Details"."Subjects") > '0' THEN
 LEFT("Bibliographic
 Details"."Subjects",
 (LOCATE(';',"Bibliographic
 Details"."Subjects")-1)) ELSE
 "Bibliographic
 Details"."Subjects" END

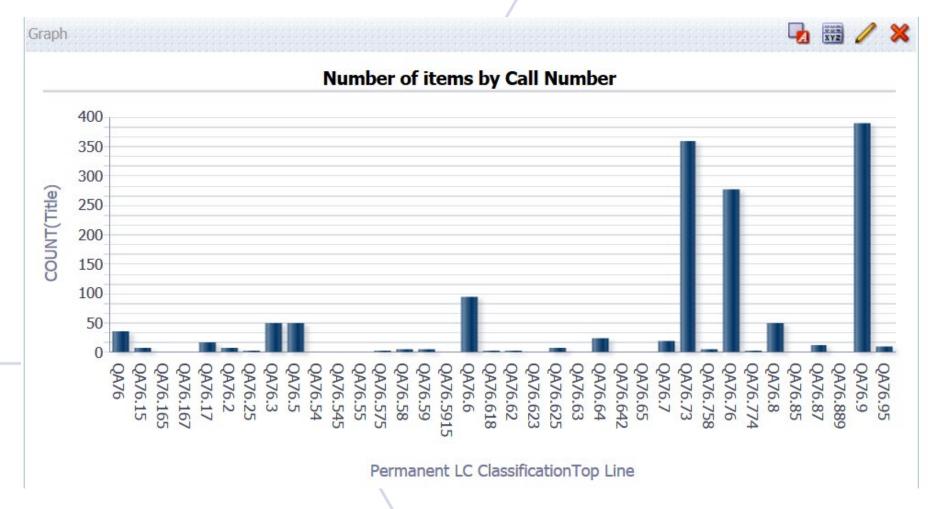
#### **Count Title**

COUNT("Bibliographic Details"."Title")

#### Alma Visualization



#### Alma Visualization Cont...





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