Credit Union Power Bl User Group

Best Practices For Business Intelligence Project Requests



April Virtual Meet-Up

April 21st, 2021

Agenda

Community Updates

Charlotte Taft | Senior Director of Business Intelligence | Callahan & Associates

Resources & Connections

Bill Butler | Power BI Developer | The Knowlton Group

Best Practices for Business Intelligence Project Requests

Kelly Gage | Business Intelligence Analyst | Red Canoe Credit Union (WA, \$1B)

Live Q&A



Who Registered For Today's Webinar?

Digital Analyst Data Services Manager Compliance Managing Analyst Database Developer II Accounting Quality and Recon Spec Solutions Development Manager Lending Projects Manager System Analyst Delivery Channel Analyst Manager, FP&A Internal Audit Manager Finance Assistant Manager VP Operations/Branch Coordinator Products and Delivery Executive Analyst Chief Analytics Officer Corporate R&D Specialist VP Marketing Reporting Specialist Core Solutions Manager Branch Operations Manager Impact Reporting Manager BI/Data EngineerBI/Analytics BI Developer Controller Business Data Analyst Member Data Analyst Process Analyst/Reporting Controller Business Data Analyst Operations Analyst BI Analyst CDO VP IT/IS VP BI/Analytics VP Finance BI/Analytics Manager BI/Analytics Director Data Analyst Project Manager Analyst Financial Analyst Data Science Analyst IT Director IT Manager CIO/CTO President/CEO Marketing Analyst Marketing & Engagement Specialist Credit & Debit Card Product Manager BI Specialist VP, Project Management Investor Operations & Reporting Supervisor VP Digital Products/Strategy BI & Deposit Products Advisor Financial Data Supervisor Payments Data Analyst Sales & Marketing Operations V.P. Marketing/Business Development PowerBI Developer VP, Learning & Development Market Research Analyst Capital Markets Trader Predictive Data Analyst Consumer Lending System Admin IT - Application Support Analyst Data Vizualisation Engineer VP Retail Services Operations Director Enterprise Data Architect Data Analytics Support Database Administrator NPS Program Mgr Portfolio Risk Analyst Chief Strategic Officer Data Specialist ES Manager

BI Team Lead

Resources & Connections

The Journey of Mastering Power Bl

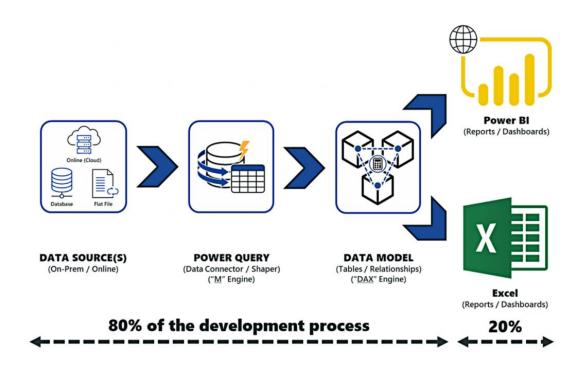
Significant Endeavor "This is not for the faint hearted"

BUT mastering Power BI is worth the effort

There are many resources available

Power BI has a very large and active community, collaborating & sharing knowledge

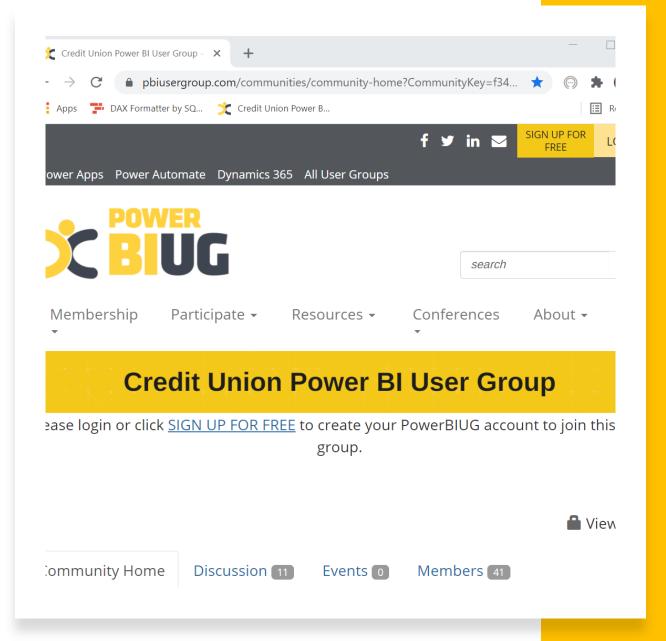
There is a need for Credit Union's to also collaborate & share knowledge



(graphic is from Reid Havens website)

Credit Union Power Bl User Group

https://www.pbiusergroup.com/communities/community-home?CommunityKey=f34461e6-cad5-474a-8497-816a9a0b9ea9

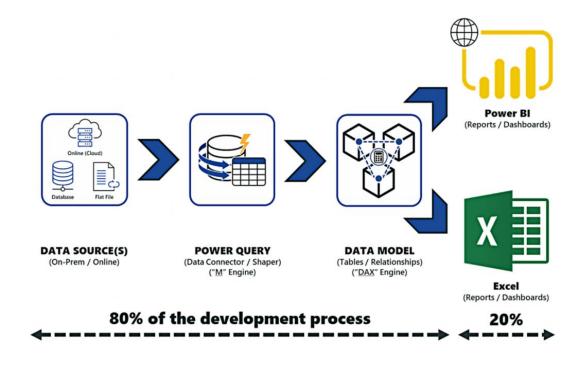


Three examples of posts that might be valuable to the participants

First, Skillwave Training

Second, Specific Training by Reid Havens

Third, PBI Cleaner by Immke Feldman, the Blccountant



(graphic is from Reid Haven's MVP's website)

Skillwave Training

https://www.skillwave.training/

Skillwave Training is a new training resource

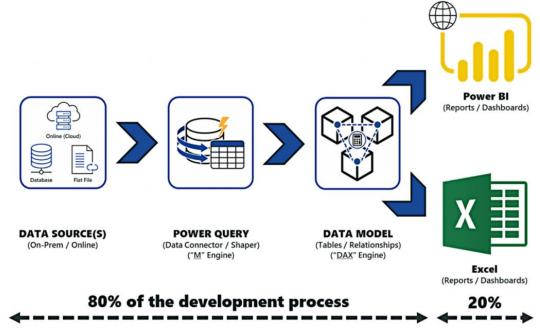
Delivered by three expert MVPs in Power Bl

Ken Puls

Miguel Escobar

Matt Allington



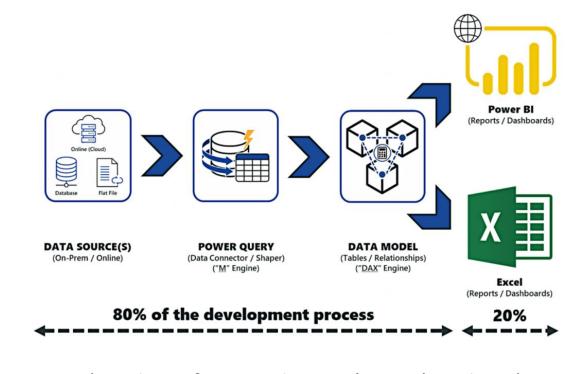


(graphic is from Reid Haven's MVP's website)

Designing Impactful Reports by Reid Havens







(graphic is from Reid Haven's MVP's website)

"Power BI Cleaner" by Immke Feldman

Optimization tool

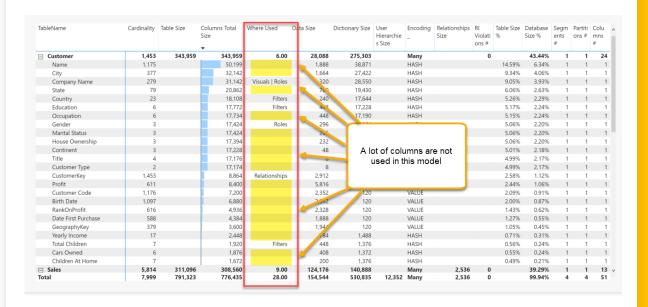
"Power BI Cleaner" provides valuable information about a data model

Especially, identifies table columns that are not being used in the model

These columns are expensive and will bloat the size of a model

Example: 3 months of Share transactions - approx. 7.5 million rows decreased the size of the file by approx. 80%

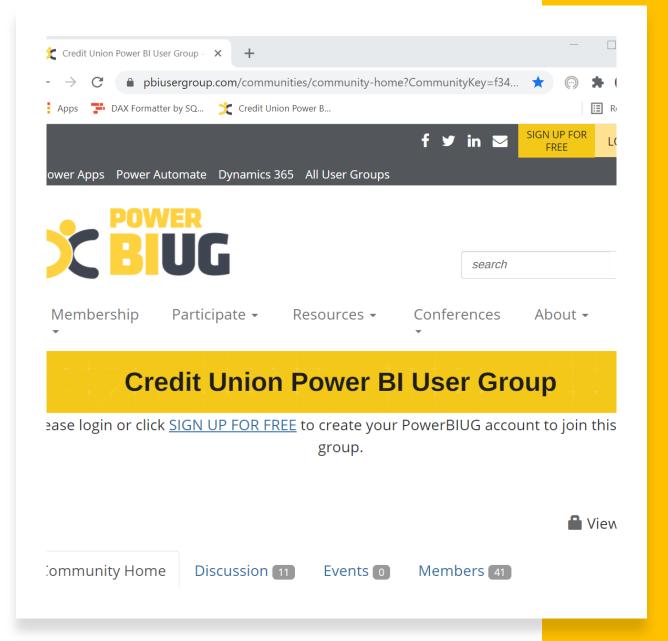






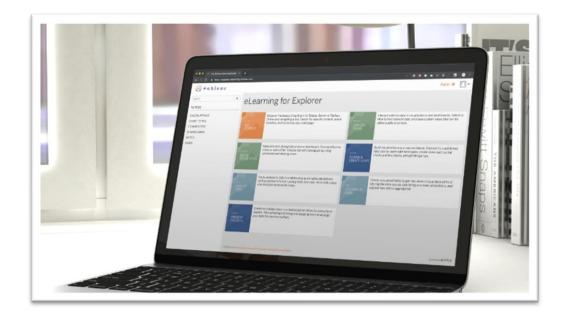
Credit Union Power Bl User Group

Please Join



Training Alert

Up For Grabs!



12 Months of FREE Tableau e-Learning for one of our members!

Email Charlotte ctaft@callahan.com to request and we will draw a name out of a hat!



Red Canoe Credit Union

Longview, WA | Assets: \$1B

Name	Red Canoe	Credit Unions Over \$10B	Credit Unions \$1B-\$10B	Credit Unions \$500M-\$1B	Credit Unions \$250M-\$500M	Credit Unions Under \$250M	All Credit Unions in U.S.	Registered Attendees
Assets	\$1,046,272,471	\$24,790,181,142	\$2,579,997,218	\$707,888,624	\$350,932,496	\$50,586,381	\$358,248,039	\$3,316,280,318
Loans	\$644,664,840	\$15,337,525,219	\$1,690,887,338	\$458,840,565	\$214,155,929	\$26,995,331	\$225,648,363	\$2,172,540,571
Shares	\$921,069,165	\$20,908,515,864	\$2,220,115,743	\$614,024,690	\$308,423,445	\$44,415,170	\$308,409,465	\$2,825,989,994
Net Worth	\$108,022,302	\$2,450,822,460	\$266,525,491	\$72,527,060	\$36,171,495	\$5,662,206	\$36,981,785	\$334,625,071
Members	59,281	1,593,313	158,173	50,390	27,100	4,562	24,140	212,694
FTEs	232	3,198	403	144	79	13	61	491
Return on Assets	0.49%	0.68%	0.81%	0.62%	0.55%	0.45%	0.70%	0.70%
Operating Expense Ratio	3.19%	2.65%	2.90%	3.42%	3.52%	3.51%	3.02%	2.87%
12-Mo. Asset Growth	24.52%	18.86%	19.14%	17.16%	17.28%	15.48%	18.29%	18.36%
12-Mo. Loan Growth	7.19%	4.74%	6.34%	5.92%	5.09%	1.95%	5.42%	5.13%
12-Mo. Member Growth	-0.19%	8.80%	4.20%	2.10%	1.34%	-0.53%	3.85%	6.36%
# CUs	1	16	359	284	371	4177	5207	201

Best Practices for Business Intelligence Projects





Kelly Gage

Senior Business Intelligence Analyst

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(360) 578-5317

Introductions

- 19 years in Credit Union Industry
- Data & Analytics for almost 10 of those
- SSRS/SQL dabbling, Tableau Desktop Certified since 2014, started working in Power Bl June 2020
- Fun Facts

Red Canoe Credit Union

- HQ in Longview, WA
- Community Charter founded in 1937 as Weyerhaeuser CU
- 11 Branches across WA/OR
- Just passed \$1B in Assets with 59,281 members
- Business Intelligence is an IT department reporting up to CIO.
 Manager, DBA, Developer, Analyst











What's A Project?

- I found a variety of definitions for the term "Project"- I cobbled a few together to get this description:
 - A project is an individual or collaborative enterprise that is carefully
 planned to <u>achieve a particular aim</u>. It falls outside the scope of day-today operations, has a <u>defined beginning and end</u> in time and therefore
 <u>defined scope and resources</u>.
- Today we're talking about any ASK made by your organization, large or small, that you need produce collateral for- from a dashboard to a single use data set.

#1 Track Your Progress

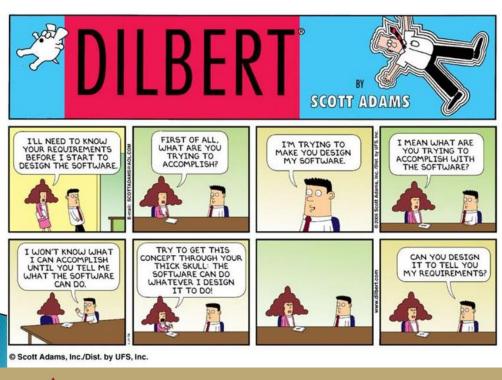
- Have a mechanism to track what is being asked and the work being done on that ask.
- Leaders need to be able to account for the teams' effort (people cost).
- Lots of tools- ticketing systems and project management software;
 NOT EMAIL.



- Gives a list of work to prioritize
- Tracks interactions with user for acceptance and change requests
- Consolidates the work for historical tracking and collects tribal knowledge
- Provides a data set for team performance and organization's utilization of your skills (budget?)

#2 Communication is KEY

Dilbert On Requirements



- Clear, regular communication will make or break your project.
- When an ask comes in- set a time to meet and discuss it.
 - If the requestor IS the person using it great, if not, make sure both are present (i.e., manager puts in ticket, staff is using the report) and a developer from your team.
 - Be as open and sincerely friendly as possible- I'm excited to learn more about what you do so we can make your job easier!
 - THEY are the expert; listen and learn.
- Ask LOTS of questions to make sure you understand the ask and are on the same page.
- At the end of your conversation repeat back what you plan to build- create a mockup for a visual if you can.
- Document meeting notes/requirements in the tracking tool.



#2 Communication is KEY



- Set the expectation of an ITERATIVE process- The first output usually isn't the final. (BRING ME A ROCK)
- If you have additional questions, call or video chat before resorting to email. Have an example of what you're asking about (data or draft report) to get clarification.
- Make a plan to communicate regularly through the project
 - Check in even if you have nothing to report, it reinforces relationships. If things are going slow, adjust the schedule so it makes sense.
 - Set expectations for user responses (2-3 days? A week?); with no deadline you may not hear back and stall your project.
- Like the initial kickoff, set a meeting to review the first output and talk through it.
 Or, for a basic request, reach out and ask for feedback by a deadline.
- If the build will have regular use (weekly/Mo.ly/quarterly) set a check in meeting to follow up (ex: 30 or 90 days after final review) before adding enhancements.



#3 See The Big Picture

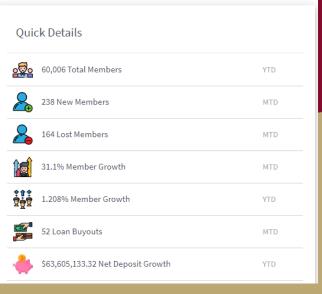
- When an ask comes in and you meet with the business user, have them explain what they're asking for and how they'll use it.
- This discovery process often reveals the initial ask is nothing like what they really need and helps define depth/scope.
- Leverage your awareness of CU processes and think broadly before nailing down a solution. You may think
 of enhancements that provide larger benefit the user hasn't thought of.

EXAMPLE:

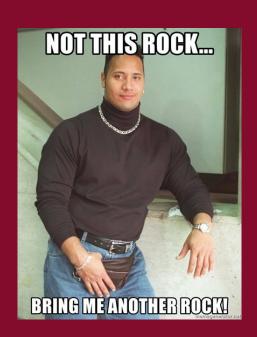
- Ticket Request: How many members did we have at the end of last quarter? (asked every few Mo.s for Call Report)
- Actual project: Build an SSRS report that provides (organizationally defined) member count Mo.ly for reporting purposes (regulatory & internal). Underlying source was used for a Report Center splash page with a variety of metrics.







#4 Start With The End In Mind



- Once you understand the bigger picture, think about how the result will be used.
 - Is it a one time ask, repeatable, used daily?
 - What level of detail do you need?
- When possible, try and get more birds with fewer stones.
- If there are other parties that could be affected, make them aware/get involved early to avoid headaches later.
 - This can also apply to new business line initiatives- get your team involved early to help shape the data you'll be interacting with (like new systems or significant process changes)
 - This isn't always easy, particularly if business lines believe they "own" the information or process and shouldn't have to include others.
 - Approaching the problem with a "can do" attitude helps alleviate tension- communication is key!



#5 Team Effort



- Know your team dynamic- who's got what skills?
 - Business Analysts & developers should overlap to help each other get the best set of requirements (cross training)
 - Have someone check your work before rolling it out to user for review.
- Share your work in progress-
 - Weekly sprint or team meetings to share active projects
 - Business line analysts? Create an internal Analyst Group to keep up with what's being asked and consolidate requests.
- Opportunity for Feedback- Manager follow up
 - Unexpected reviews sometimes!



Secrets to Success



- Communication is KEY- With business users and your team (through requirements). Can't stress this enough!
- Ask LOTS of questions, all the time
- Good requirements and visual examples help define the rock.
- Know your resources- who in each business line is your best contact point for projects for that team (find advocates)
- DOCUMENTATION- it's a dirty word but we have to do it!
- Attitude will help you or hurt you- the decision is yours! (soft skills matter)



Don't Miss An Update

Sign up using the below link to get email updates – you <u>can</u> select which updates you'd like to receive:

Analytics Community Email Sign-Up

- Power BI community page
- Tableau Community page



We Need You!

Join the Power BI Community Group Online!

Get the collaboration started!

Want to...

Present at an upcoming meeting?

Suggest a topic?

Give feedback?

Join the steering committee?

Email ctaft@callahan.com!

