

ENTERPRISE DNA

\$296.4M

\$110.4M

\$20M

\$0M

Jun 2016 Jul 2016 Aug 2016 Sep 2016 Oct 2016 Nov 2016 Dec 2016 Jan 2017 Feb 2017 Mar 2017 Apr 2017 May 2017

Distributor
Export
Wholesale

POWER BI



ACCELERATOR

Expert-guided practice for Power BI beginners

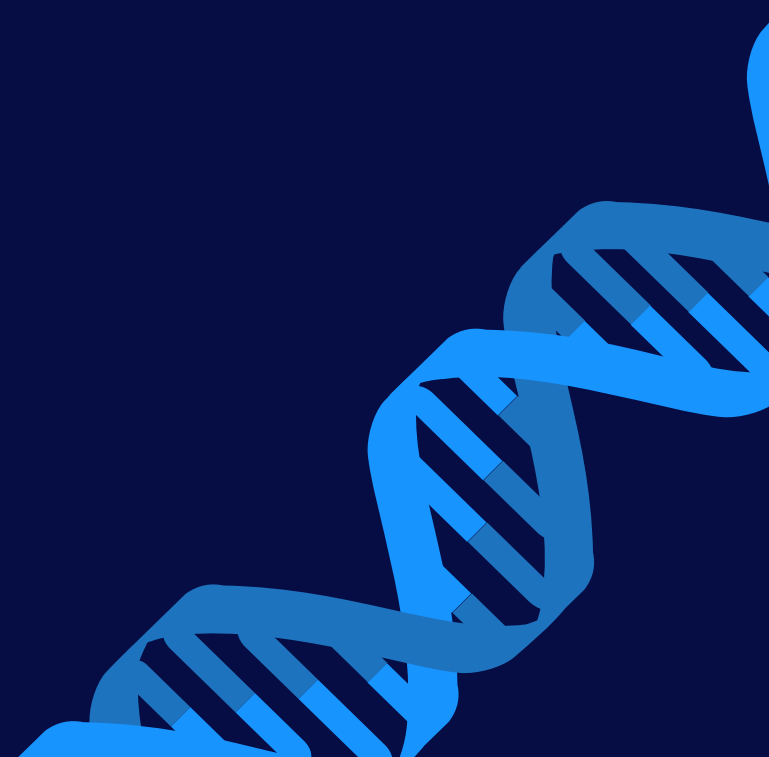
WEEK #6

The Building Blocks of a Great UI/UX

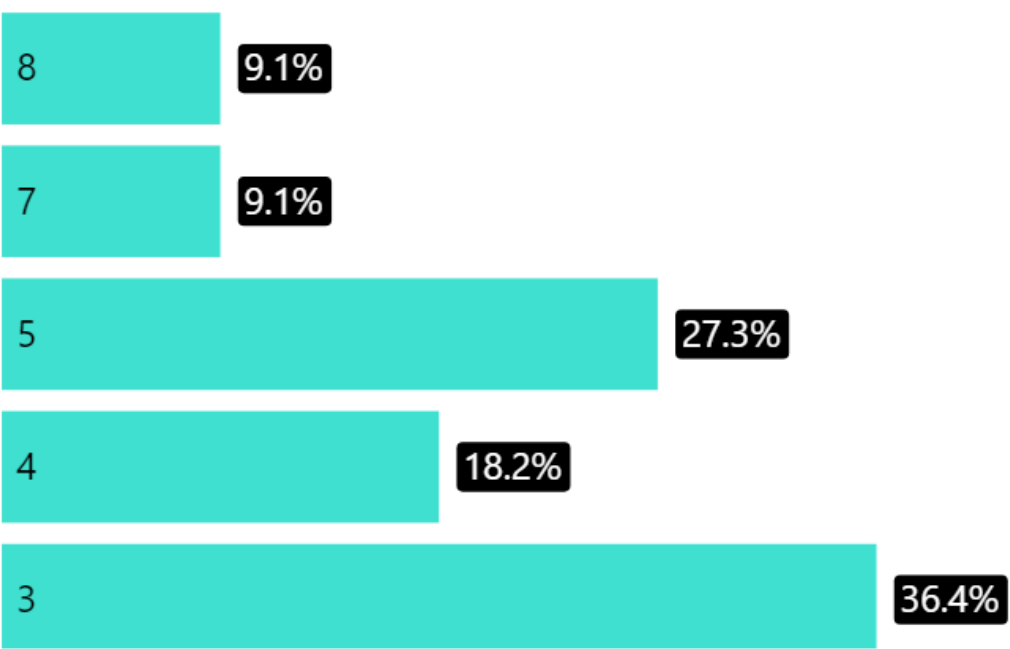
	Total Sales	Total Profits
Lakewood	\$1,405,438.90	\$488,611.91
Springfield	\$1,342,994.90	\$452,105.88
Albany	\$1,296,120.00	\$357,683.99
Columbus	\$1,157,160.00	\$424,655.85
Washington	\$1,055,100.00	\$387,629.37
Bloomington	\$980.60	\$354,350.60
Miami	\$903,521.80	\$309,953.72
Fairfield	\$898,557.10	\$343,544.58
Brookhaven	\$893,713.00	\$327,413.59
Concord	\$874,135.60	\$338,027.60
Millcreek	\$854,471.10	\$328,450.72
Jacksonville	\$827,758.20	\$268,100.00
Wayne	\$824,408.20	\$208,141.20
Fayetteville	\$808,395.20	\$266,192.74
Westminster	\$788,422.50	\$258,581.13
Lafayette	\$787,062.40	\$258,746.05
Pasadena	\$784,690.60	\$257,417.35
Total	\$110,392,541.63	

OVERVIEW

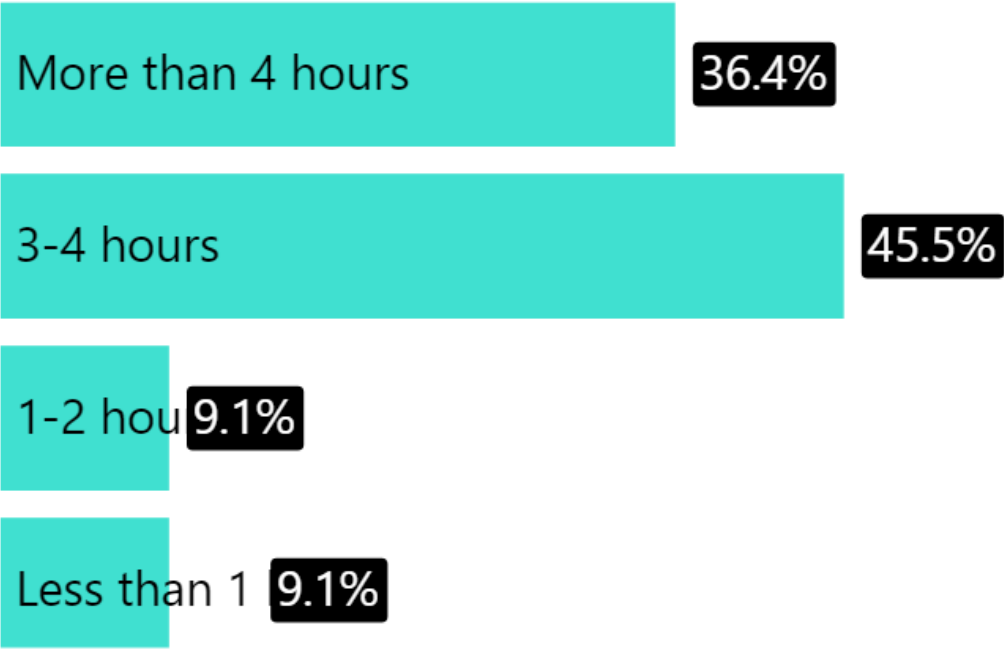
- RESULTS OF ACCELERATOR PARTICIPANT SURVEY
- KEY CONCEPTS FOR WEEK #6 PROBLEM
- FULL SOLUTION WALKTHROUGH
- Q&A



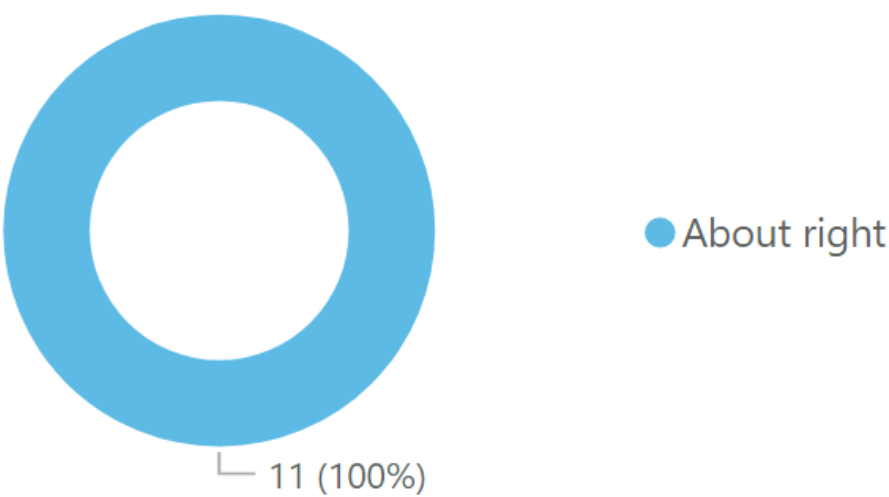
What is your current skill level in Power BI?



On average, roughly how long do you spend on each problem set?



In general, how would you rate the difficulty of the problem sets?

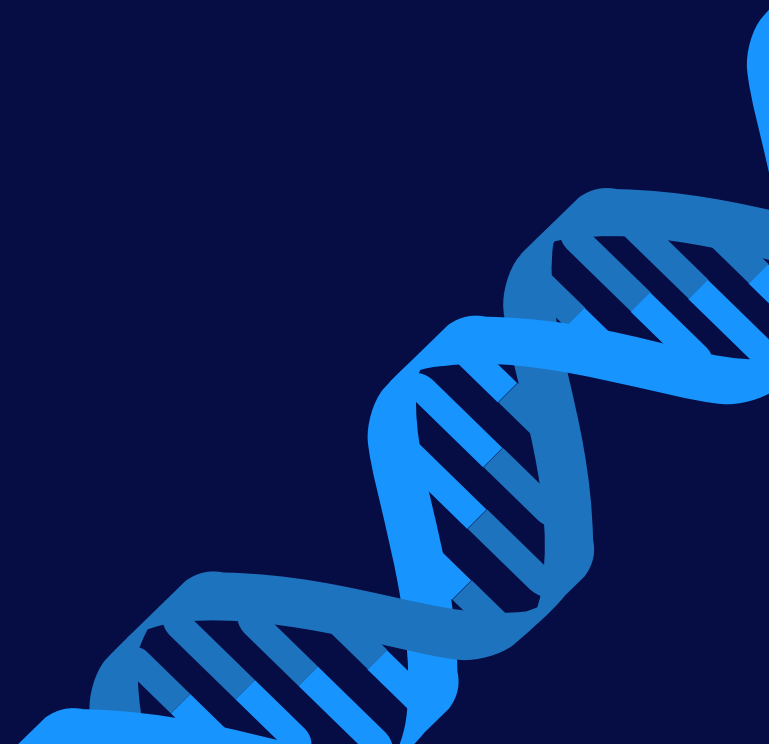


Do you have any other comments about Accelerator that you'd like to share?

- Very interesting content ! After the lessons, it was the first "challenge" I did and it was a perfect way to see if I've understood all the contents I've seen before.
- This is an excellent series. I've viewed hundreds of tutorials and read many blog entries. Many times, when I start to address a problem, I say "ok, then, where do I start". This series has shown me how to dig into and resolve a problem.
- The Accelerators are great. I am a novice so I expect them to take longer. Being able to submit questions and get direction is so valuable. The solution sessions are also great.
- Super good program,👍👍👍 Brian!
- Its good practical learning. I am learning a lot.
- It has been a really great series and something to look forward to. Really enjoy the interactivity with other users.
- I'm struggling with the intermediate DAX in these problem sets. That's why my time spent is too high.
- I love the Accelerator, its impact on my Power BI journey is very high. Its a wonderful way to learn and/or review many PBI concepts. With the progress of the weeks, I'm getting more comfortable with some measures and automatism are getting in place. Thank you for this opportunity.
- Great initiative from eDNA team. I am really enjoying the series and appreciate all the time that goes into pulling these together. Very high quality.

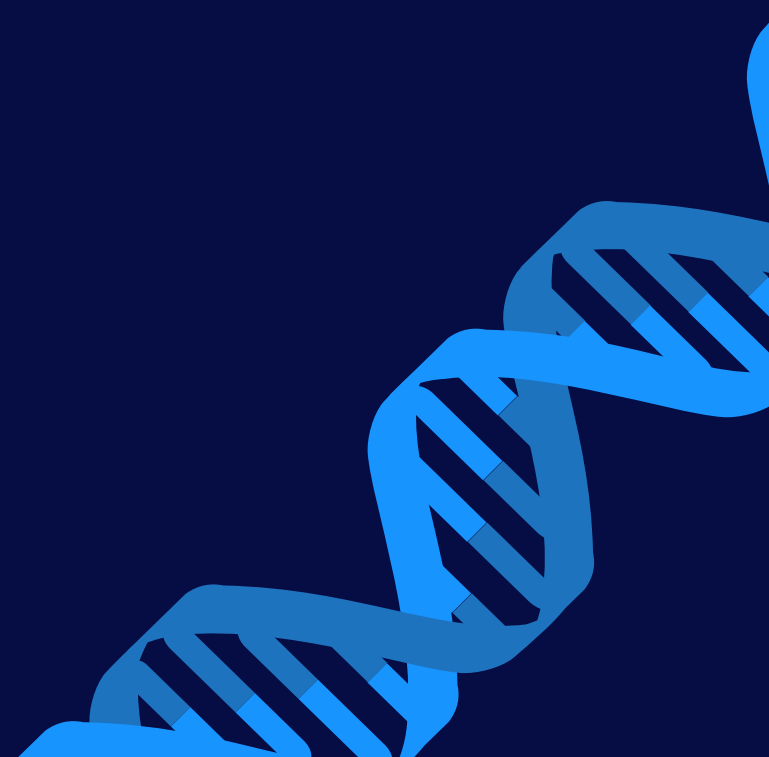
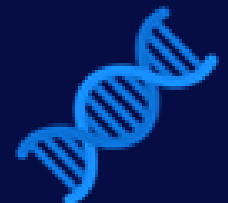
KEY COMPONENTS OF POWER BI UI

- Buttons (Default, Hover, Press and Disabled)
- Bookmarks
- Tooltips (Standard, Modern Visual, Report and Visual Report Header)
- Drill Through (Direct, Conditional)
- Page Navigation (Direct, Conditional)



LOOKING WITH DIFFERENT EYES

- Once you understand the workings of these five elements, you'll begin to see all the different ways creative developers put these building blocks together to create exceptional user experiences
- Sources to explore:
 - Enterprise DNA Showcase
 - Enterprise DNA Data Challenge Showcase



BUTTON TIPS

- Learn how to use the blank button custom icon option
 - Looks far better than an image and a text box
 - Also takes advantage of button states
- For icons, take advantage of collections if available
 - Maintain a couple of different sets of standard navigation icons to speed development
- Font size “bump” – increase font size slightly on hover
 - Subtle but polished effect
- If your button only has “CTRL-click to follow link in the tooltip, turn tooltips off
- Position, color and composition of buttons is important – if they are not seen:
 - Good analysis can go to waste
 - Users can become frustrated with the UX and quit report

ICONOGRAPHY

ICONS TYPES & CONSISTENCY

DON'T DO



Do not use filled & non filled icons together



Keep the same size for your icons



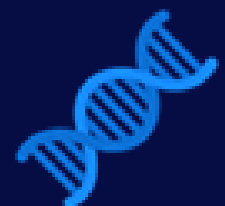
Be careful about the width size of icons



Avoid using graphic detailed icons

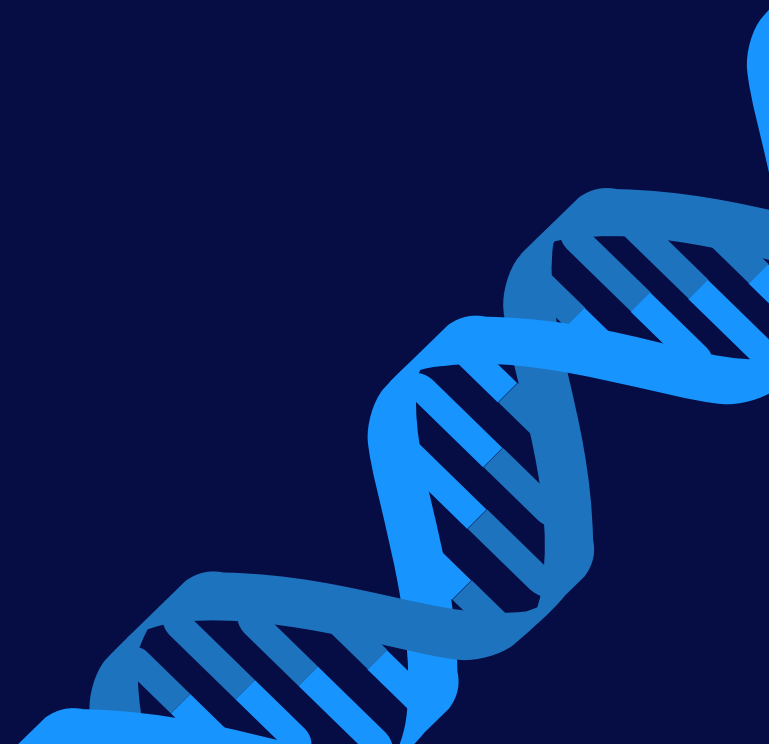
Icons should be simple, easy to understand. They are meant to enhance comprehension, never distract

- Use Icons easy to identify
- Reduce icon graphic details (easier for small screens)
- Give context: Tooltip when hovering over the icon
- Keep the style consistent (fill vs no fill)
- Make sure the icons are working well together



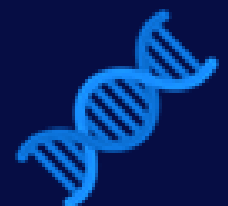
BOOKMARK TIPS

- Keep selection pane turned on and name elements as you add them with descriptive names
- Group elements to make setting/debugging visible/hidden much easier – takes minimal time
- Use the All Visuals option sparingly, tip toward the more surgical approach of Selected Visuals
- When bookmarks get very numerous and complicated, consider using page navigation to split them apart and make them more manageable



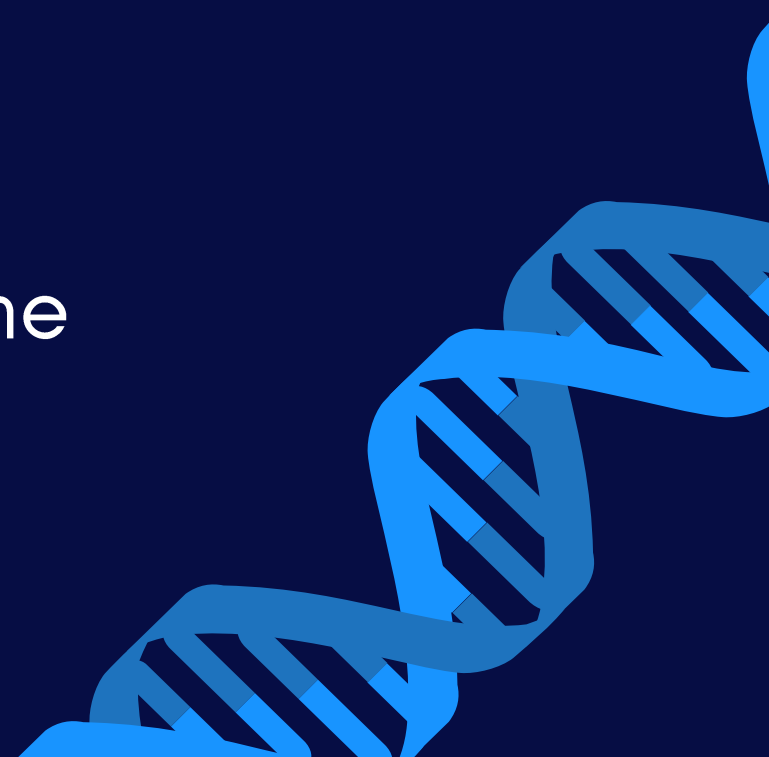
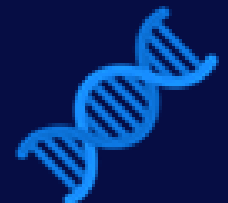
TOOLTIP TIPS

- The biggest pitfall with tooltips is users not knowing they are there – provide visual cues where possible
- Avoid visual header tooltips – they are very hard for users to find – instead, prefer Sam's invisible card tooltip trigger
- Report tooltips are not limited to the report tooltip size – you can use "custom" to make them any size
- Avoid tables/matrixes with too many lines that require scrolling – instead filter top N that can be fully shown in the tooltip
- Space-saving Microsoft Horizontal Bar Chart custom visual works great for tooltips – fits same information into a smaller space



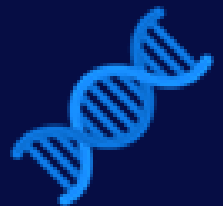
DRILLTHROUGH TIPS

- As with tooltips, the biggest pitfall with Drillthrough is users not knowing it's available – provide visual cues where possible
 - Worst – Standard tooltip with Right Click Drillthrough indicator
 - Better – Modern Visual tooltip with Drillthrough incorporated
 - Best – Drillthrough-specific buttons with instructions
- Always make sure there is a "return trip" from your drillthrough page back
- The one technique we didn't illustrate in this problem set was Conditional Drillthrough
 - Quite uncommon in my experience
 - Will do a video on this in the near future just to illustrate how it's done



PAGE NAVIGATION TIPS

- Generally, address your page navigation mechanics at the end – may want to navigate to a new page without the user knowing and thus before you duplicate page try to get it in as final a state as possible
- Learn how to use sync slicers to move across pages, carrying the slicer values
- Make sure each page navigation action has a “return trip” – don’t want to dead end a user on a page they can’t get out of
- For conditional page navigation, use a SWITCH/TRUE statement so that you don’t need to necessarily name your pages consistent with slicer values



WEEK #6 SOLUTION

MEMBER Q&A

Thanks for participating!