Scaling ranking data analysis:

organizing, visualizing, and having some fun with SEMrush data



What are we going to do today?

1. Get some SEMrush ranking data

2. Segment keywords using Jupyter Notebook

3. Load the data into Power Bi

4. Visualize data

Why?

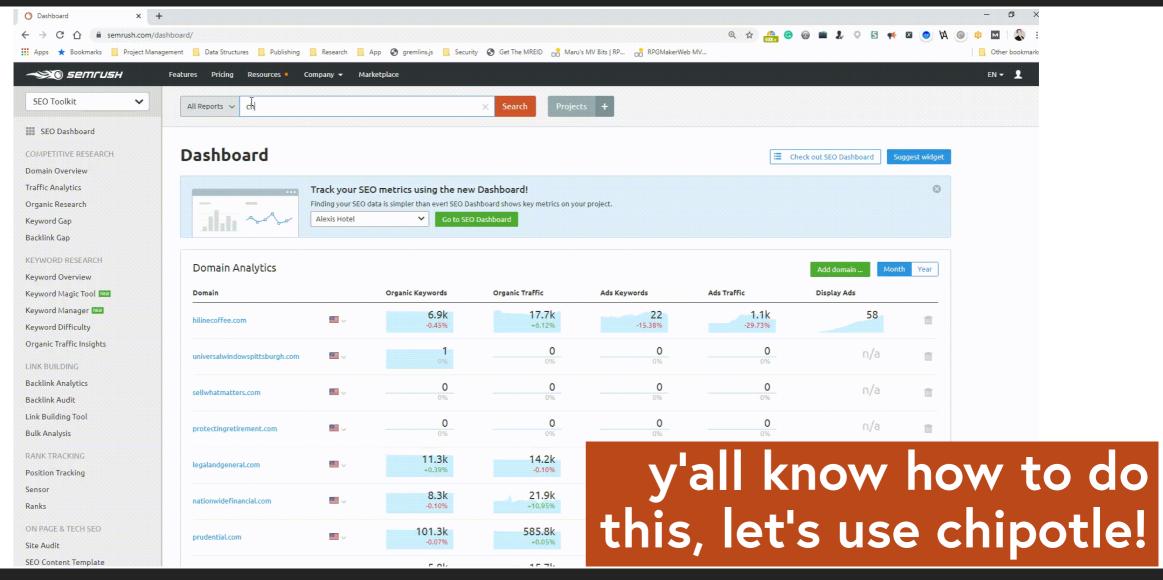
• 1st-party data > 3rd-party data > no data

• insights > data

• efficiency > work time

• fun > mundane parts of analysis

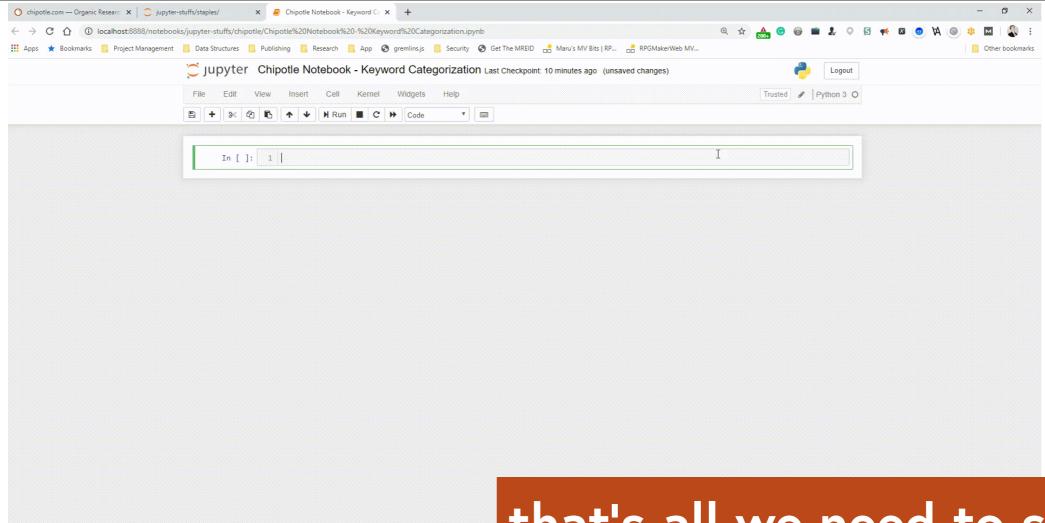
Step 1: Get SEMrush data



Step 2: Open Jupyter Notebook (can also use Google colabs here)

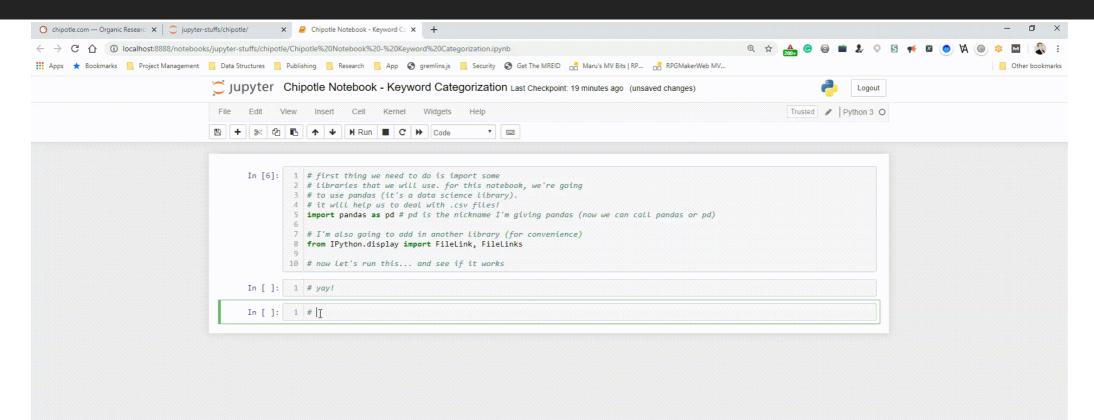


Step 3: Import pandas



that's all we need to start

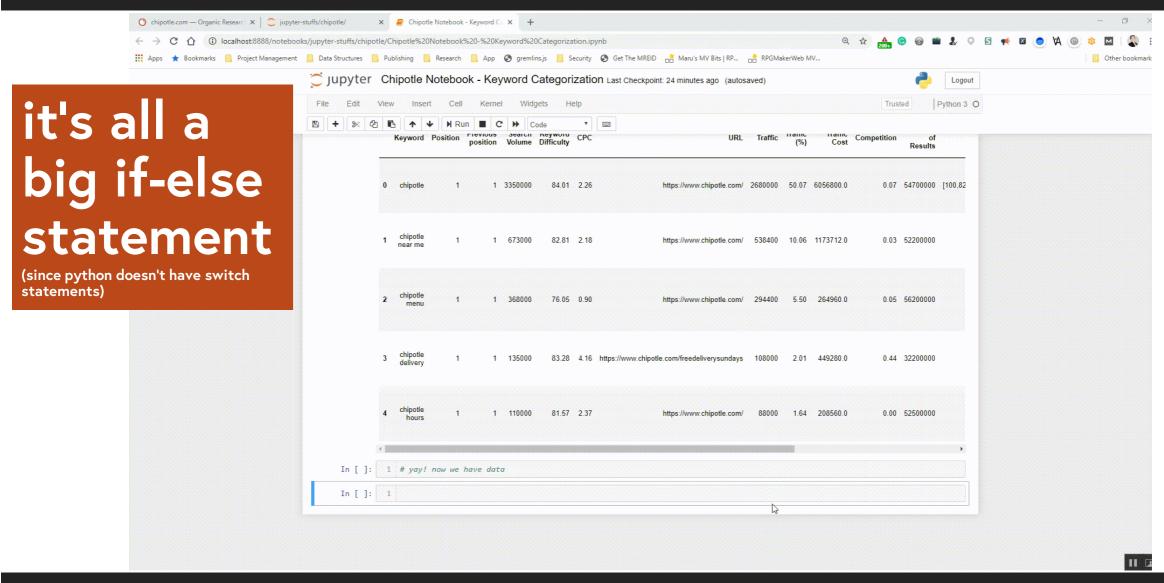
Step 4: pandas.read_csv(data)



everything is easiest if it's in the same folder

(buuuuuuuut who doesn't love living outside the box, on the edge)

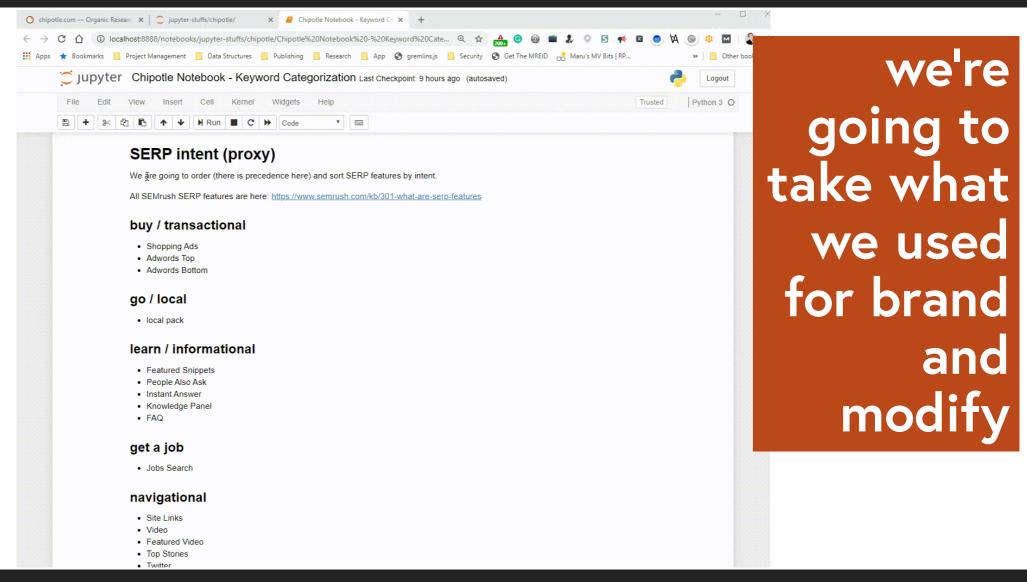
Step 5: Setting up f(x) to segment brand vs. non-



What sorts → SERP intents (proxy)

buy	go	learn	get a job	navigational	other
shopping ads	local pack	featured snippets	job search	site links	flights
adwords (top & bottom)		people also ask		top stories	image pack
		knowledge panel		twitter	AMP
		FAQ		reviews	video carousel
this can be organized				video	featured image
however you want				featured video	hotels pack

Step 6: Setting up a f(x) to segment SERP intent



... more f(x) creation ...

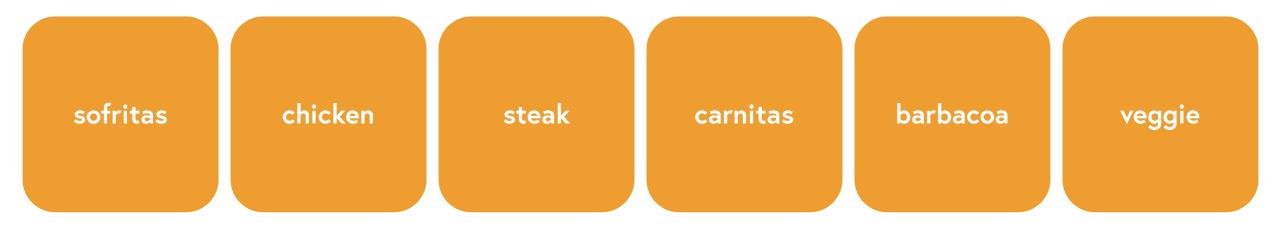
What sorts -> digging into informational



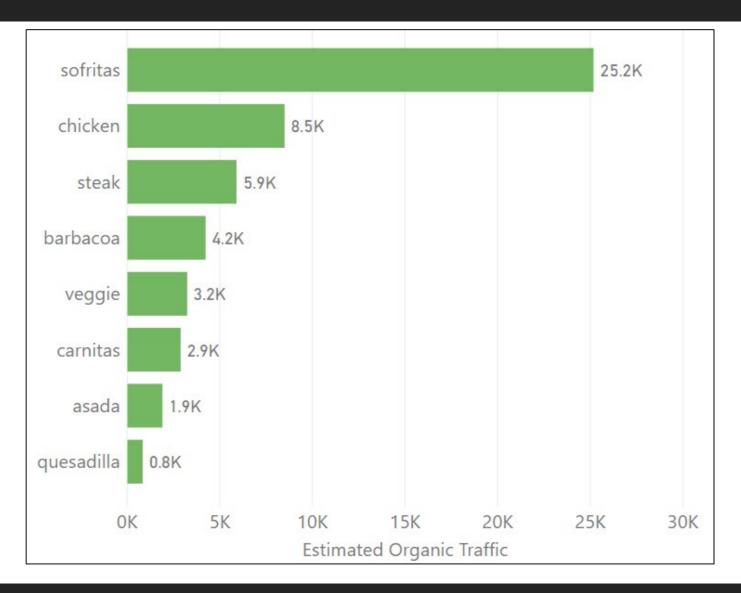
What sorts → products



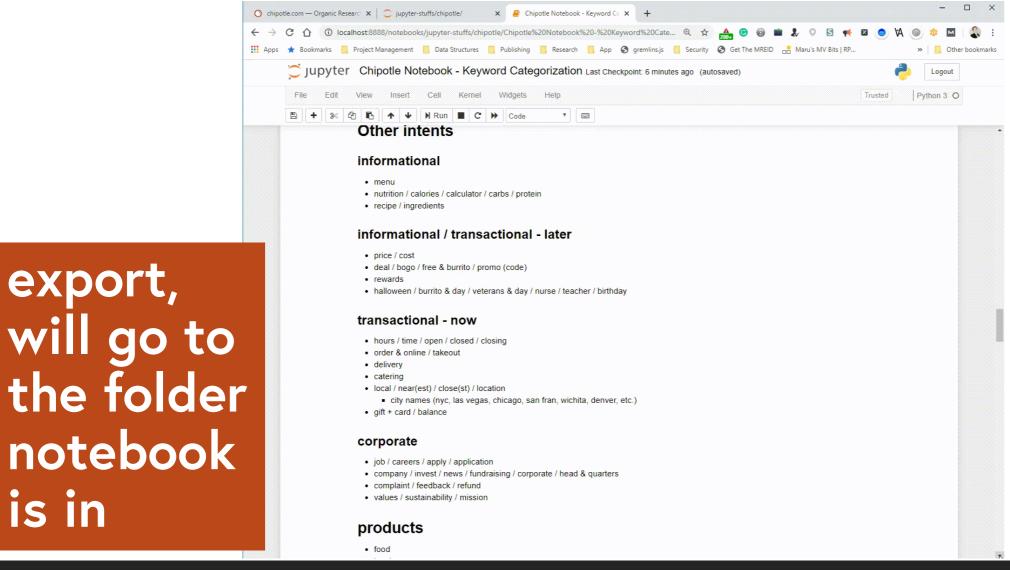
What sorts → meats



It looks like it's softritas...



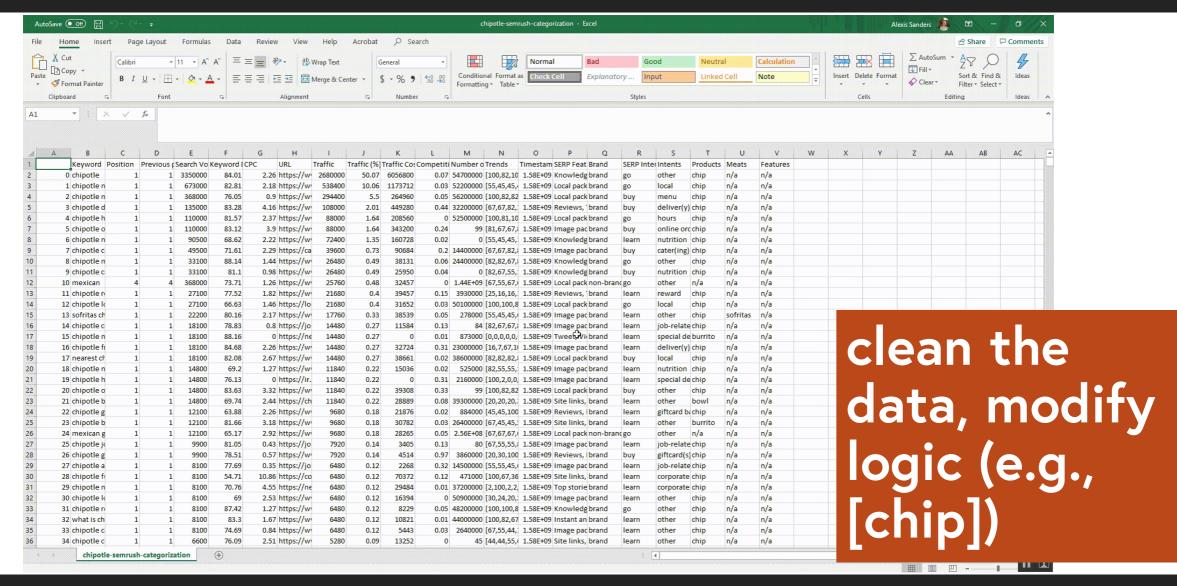
Step 7: dataframe.to_csv(categorized-data)



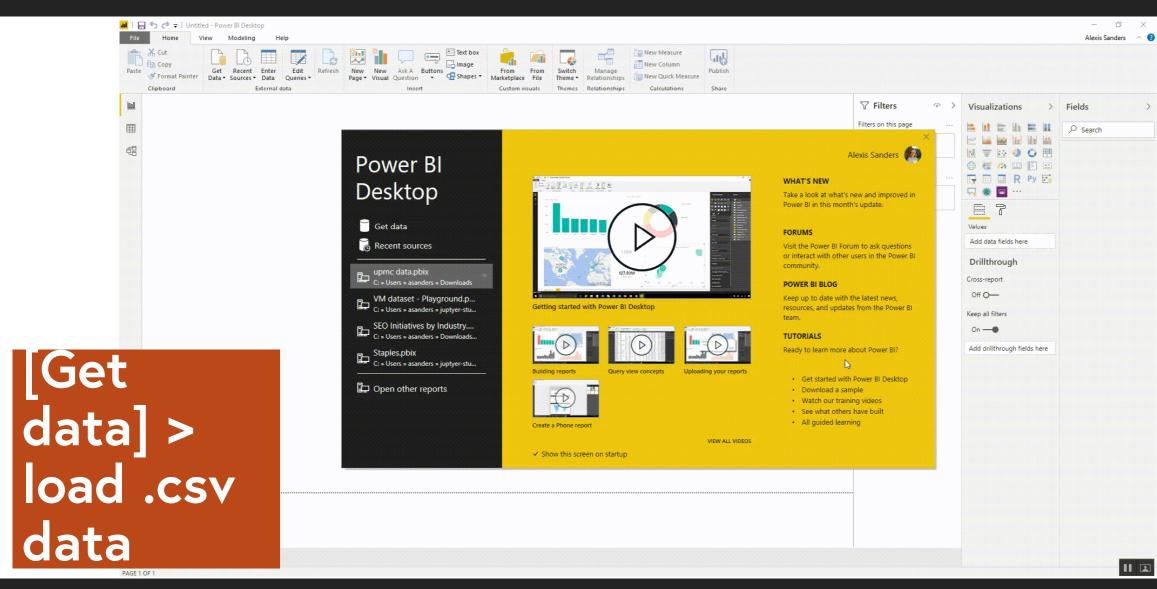
export,

is in

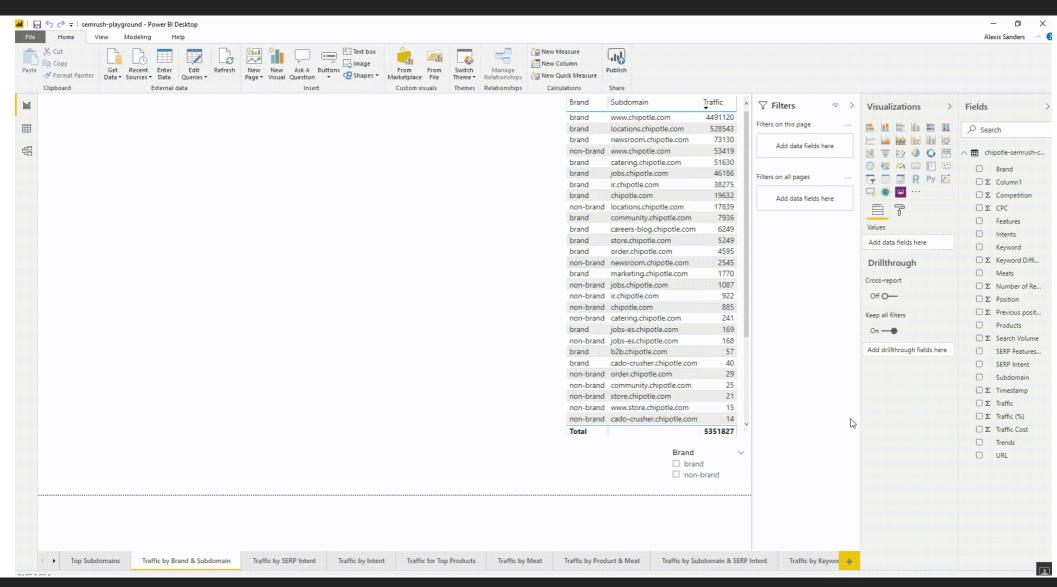
Step 8: Review data in Excel (then make logic adjustments)



Step 9: Load data in Power Bi (or other BI visualization software)

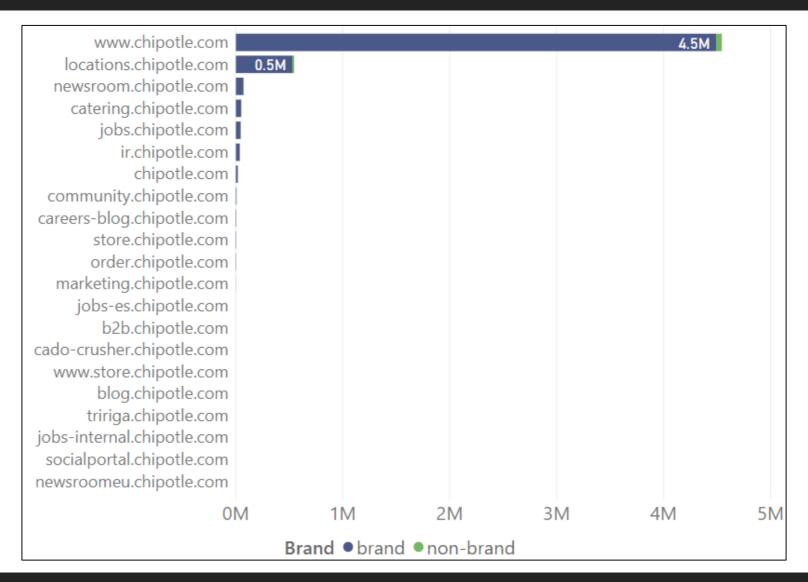


Example 1: What are the top subdomains?

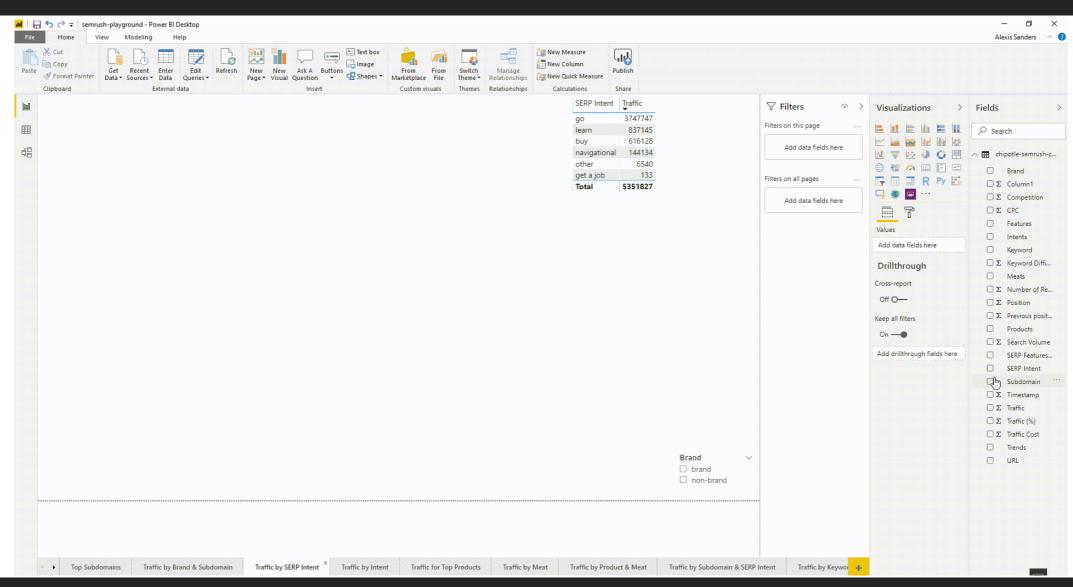


And... we make the chart look nice in the style tab



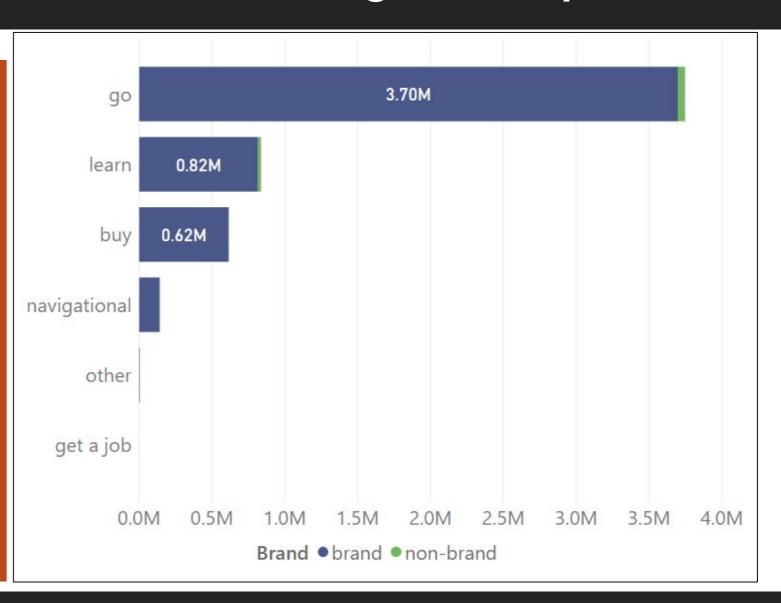


Example 2: What are the top SERP intents?



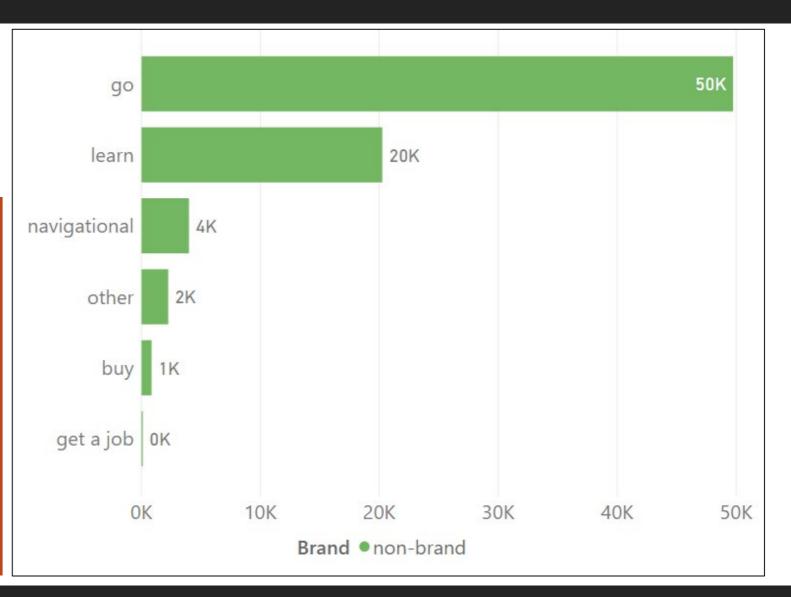
Very high likelihood of hitting a local pack in the SERP

not necessarily surprising for a local business, but hey the more you know

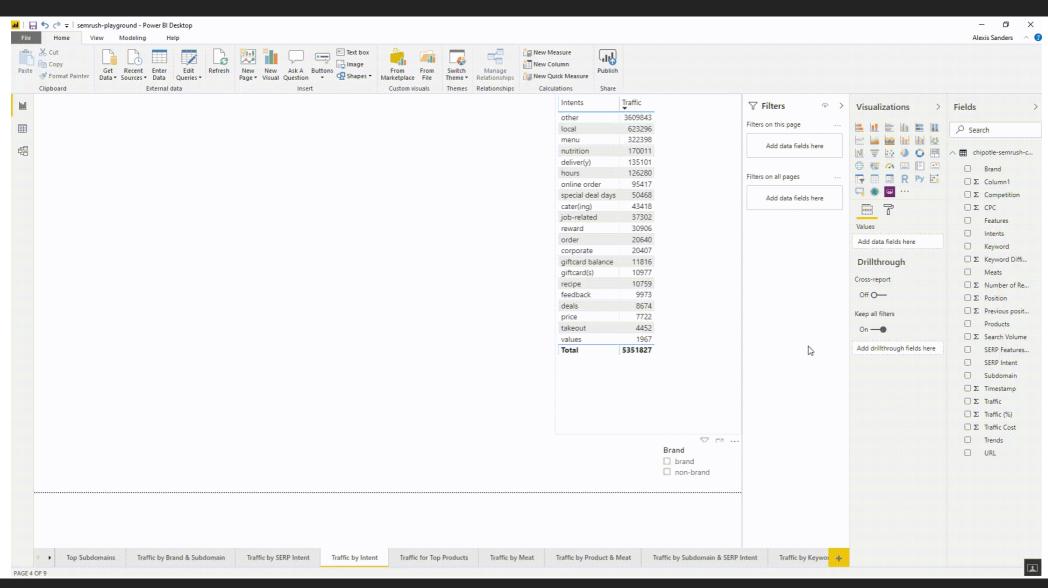


Very high likelihood of hitting a local pack in the SERP

and...
non-brand
is similar
(buuuut
with less
ads)

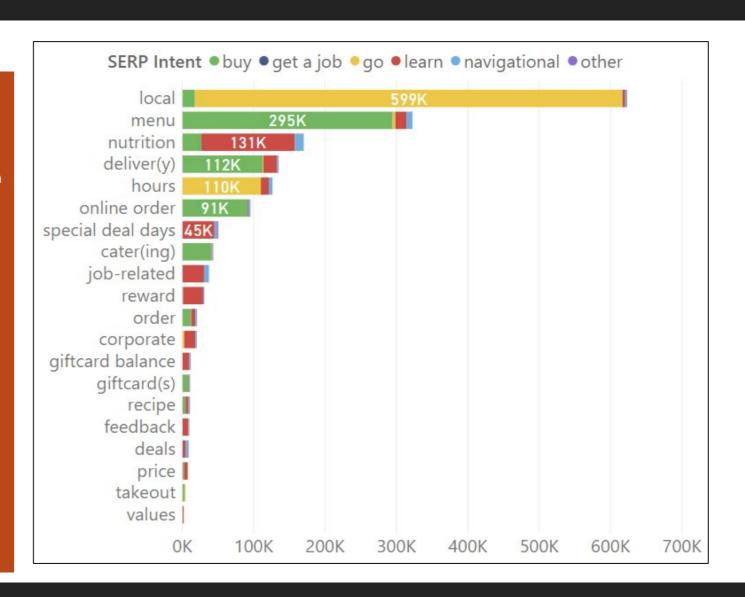


Example 3: What are the top intents?

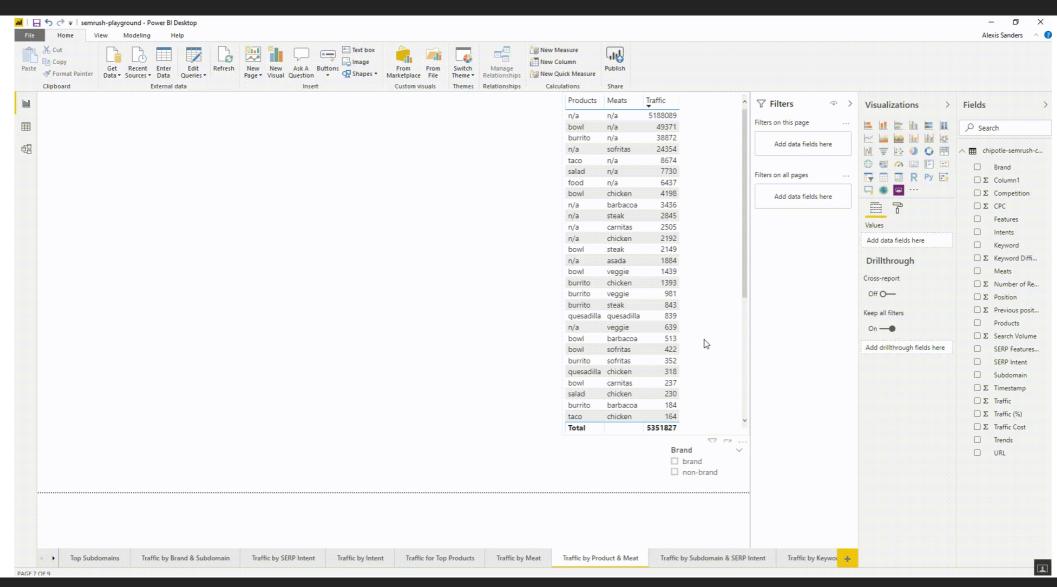


This one got a bit meta...

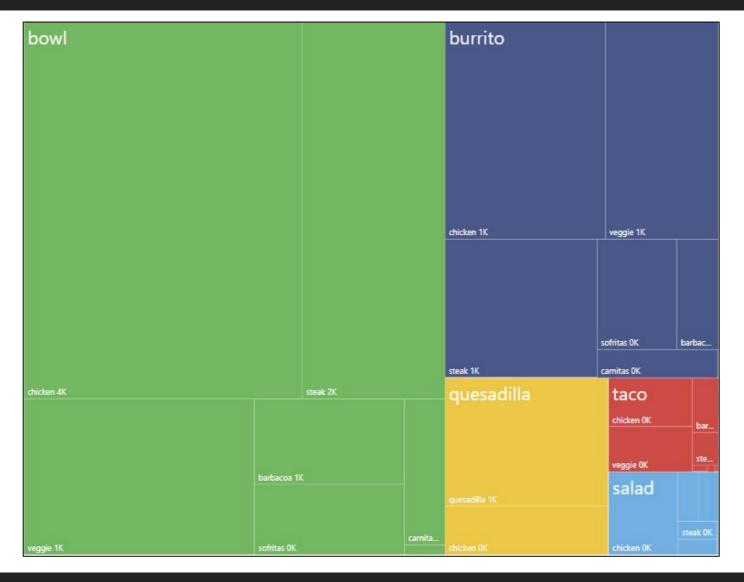
it's the intent's | made up overlaid with the SERP intents (based on SERP features that appear)



Example 4: What the top products by meat?

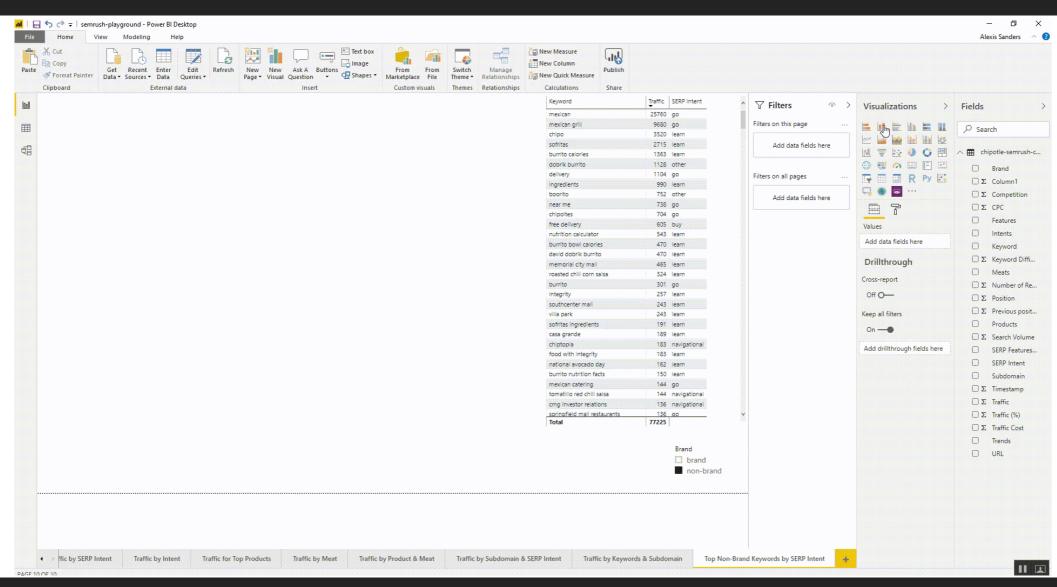


Chicken bowl for the win...

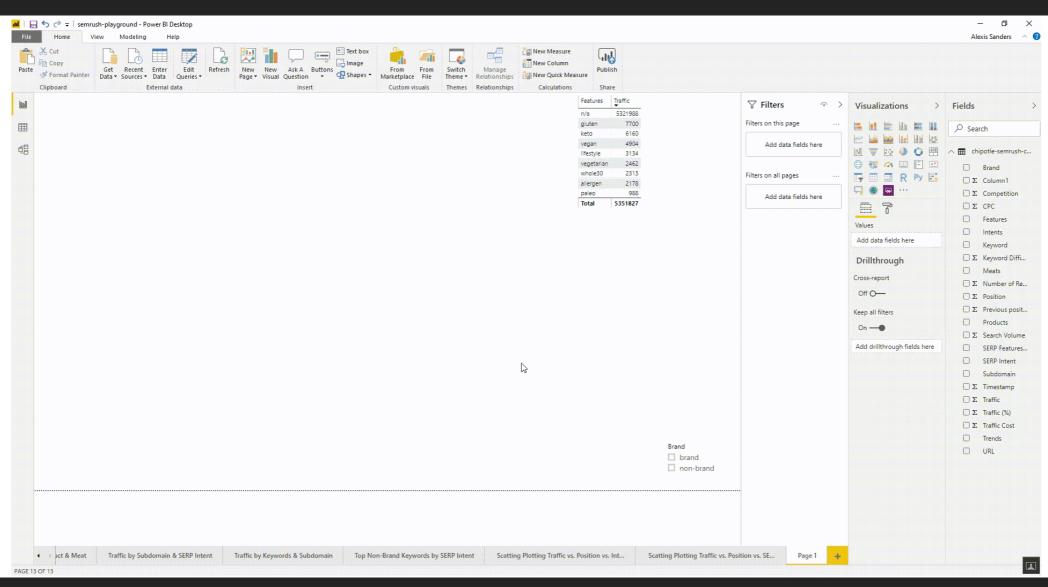


who knows ... maybe people want to know what sofritas it, but don't necessarily want to eat

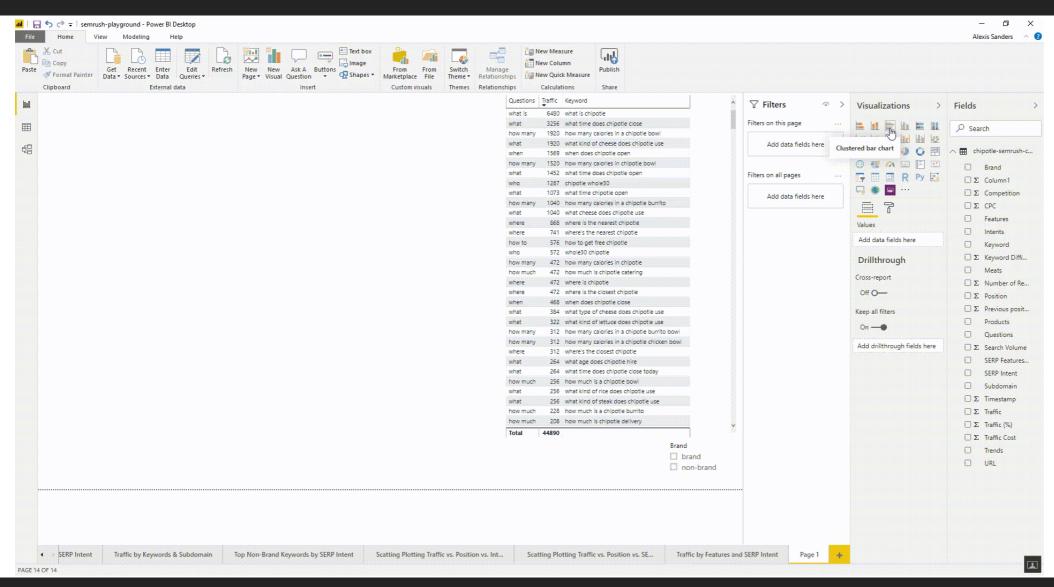
Example 5: What are top nb keywords & their intent?



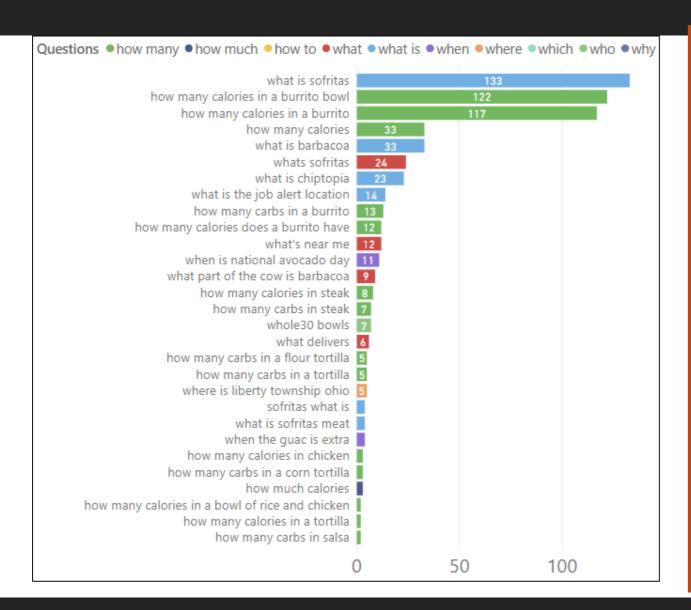
Example 6: What are top features?



Example 7: What are top questions?



Tofu... it's tofu...

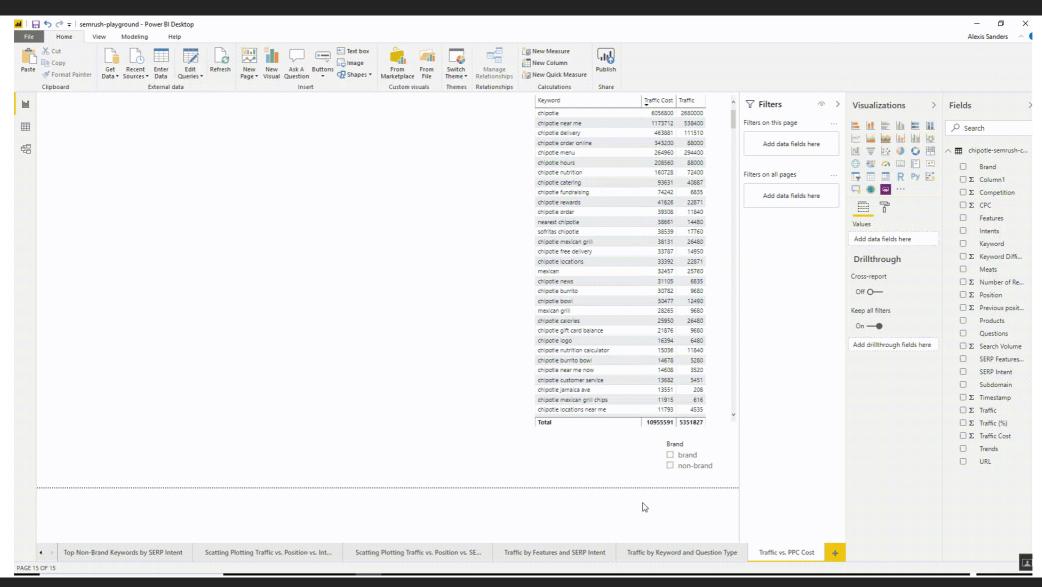


for calories (cough...and

macros...cough), Chipotle actually has a nutrition calculator, you can add your usual order

(note: I didn't write you should...)

Example 8: What are top nb kws by traffic and cost?



http://bit.ly/dealing-with-ranking-data

Thank you!