# 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?

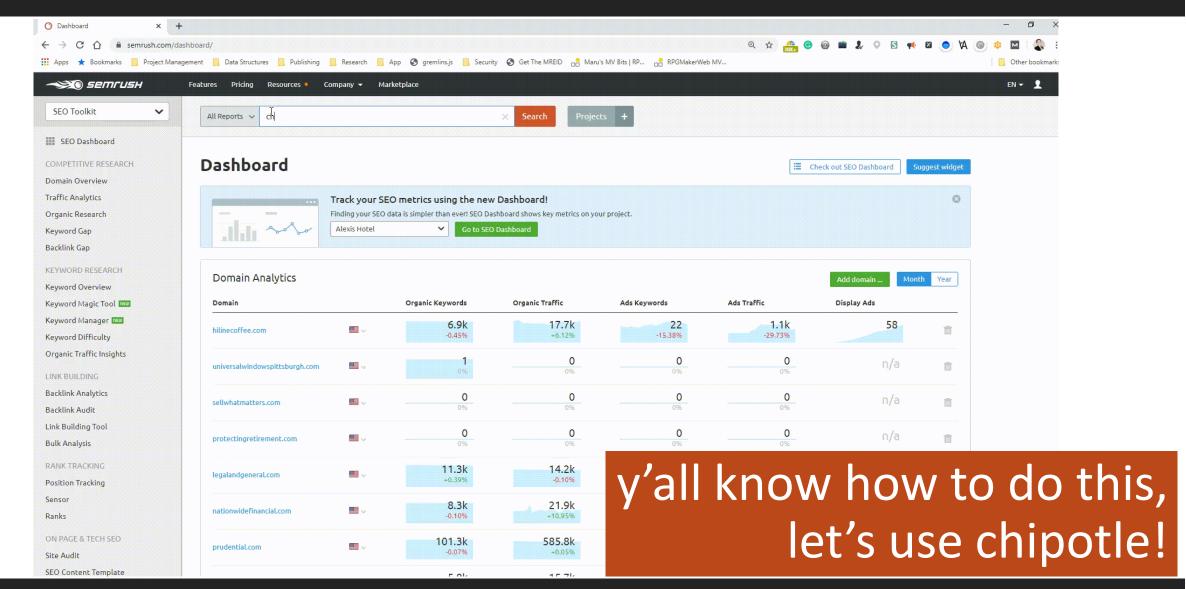
• 1<sup>st</sup>-party data > 3<sup>rd</sup>-party data > no data

• insights > data

• efficiency > work time

• fun > mundane parts of analysis

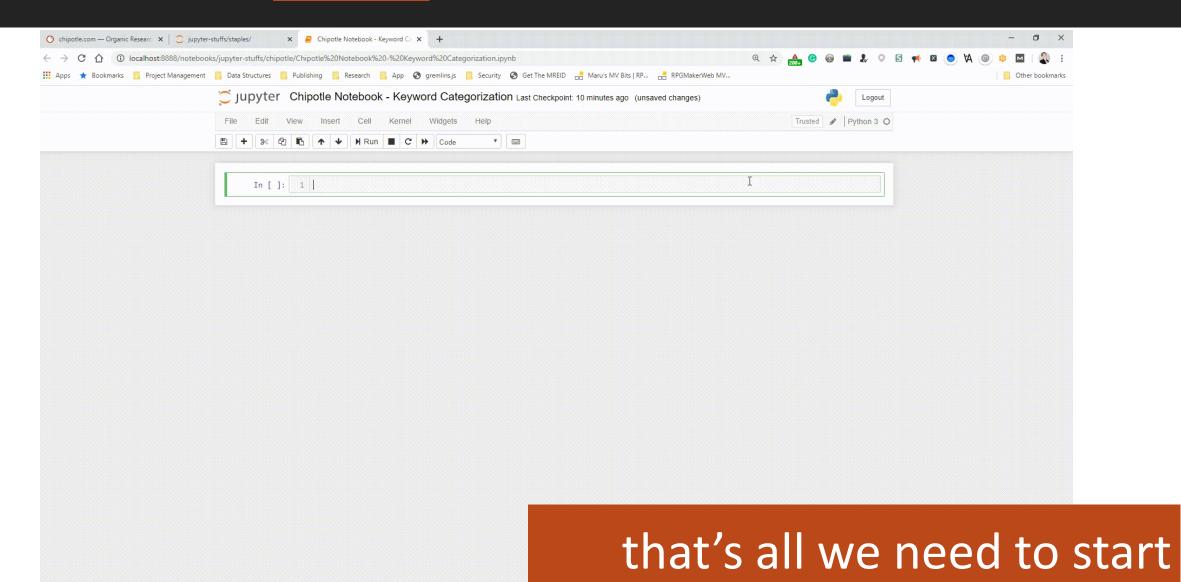
## Step 1: Get SEMrush data



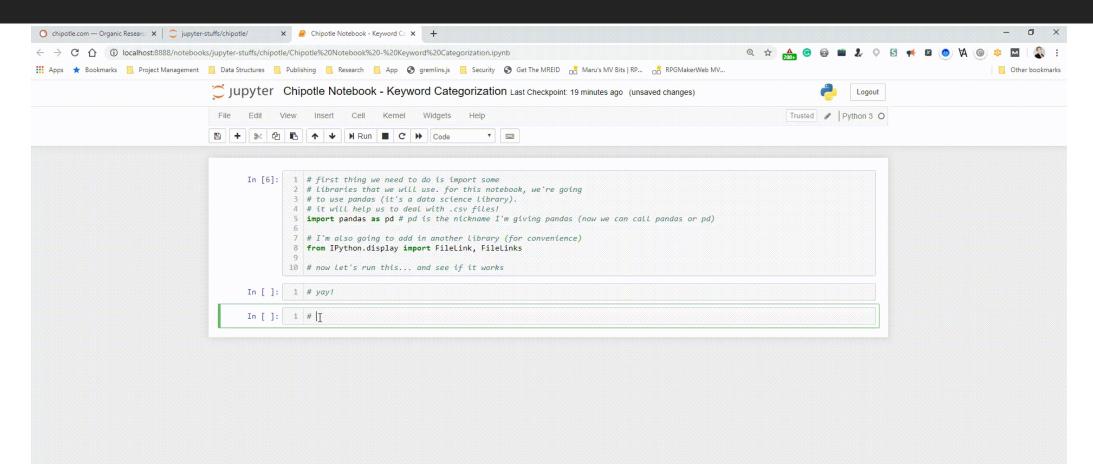
#### Step 2: Open Jupyter Notebook (can also use Google colabs here)



#### Step 3: Import pandas



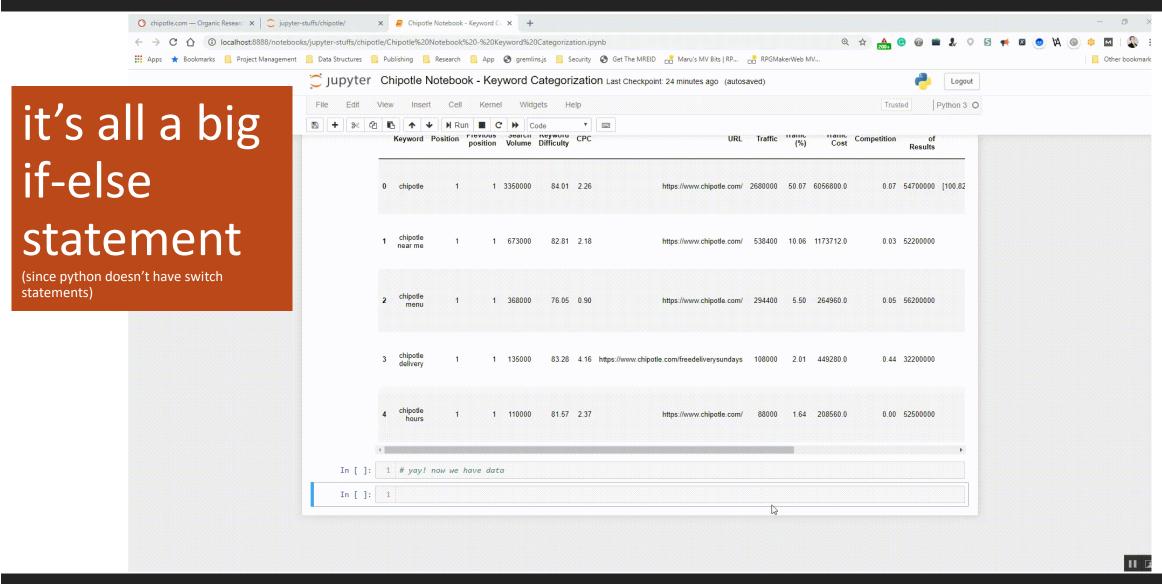
#### Step 4: pandas.read\_csv(data)



everything is easiest if it's in the same folder (buuluulut who

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

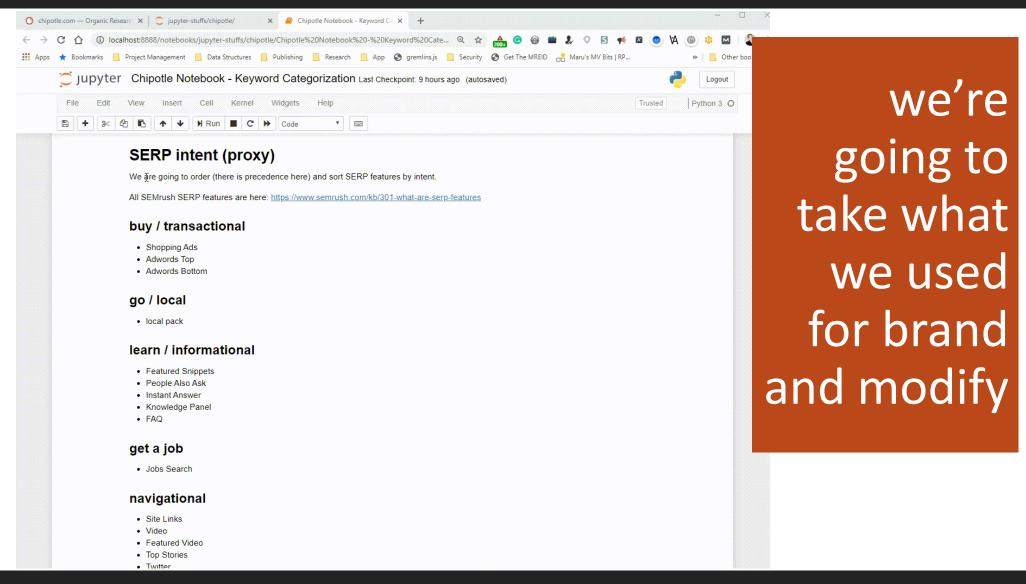
## Step 5: Setting up f(x) to segment brand vs. non-



## What sorts -> SERP intents (proxy)

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

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



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

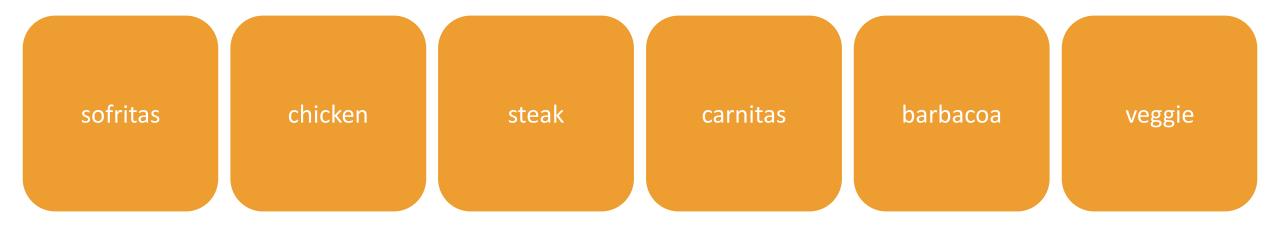
## What sorts -> digging into informational



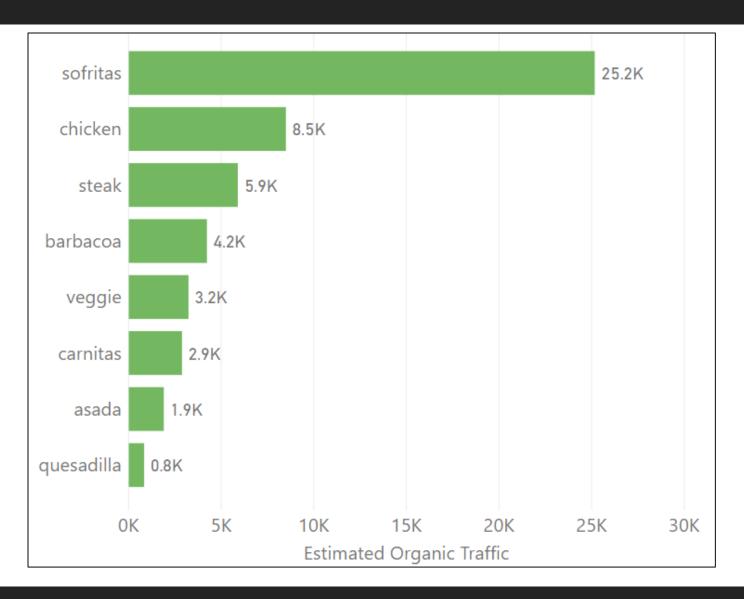
# What sorts → products



## What sorts → meats

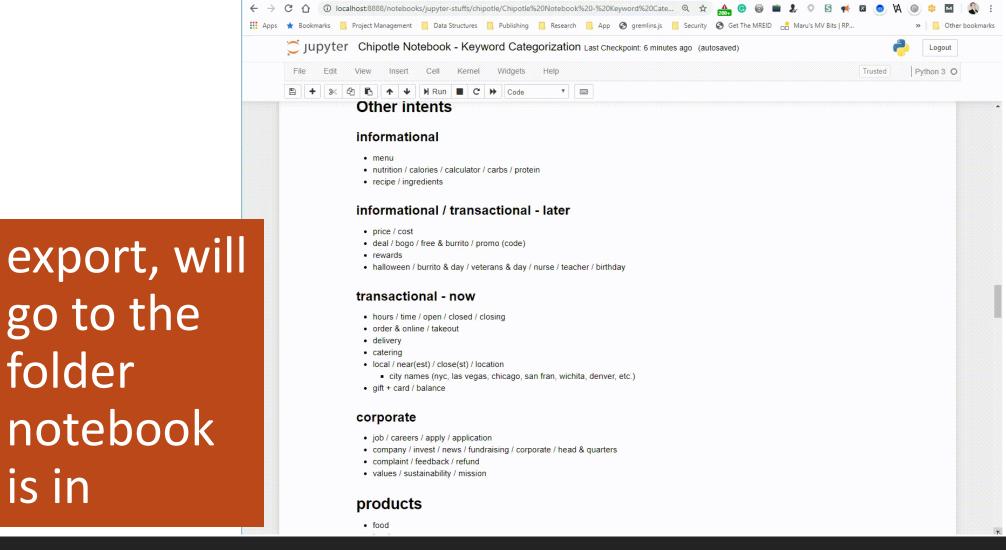


#### It looks like it's softritas...



#### Step 7: dataframe.to\_csv(categorized-data)

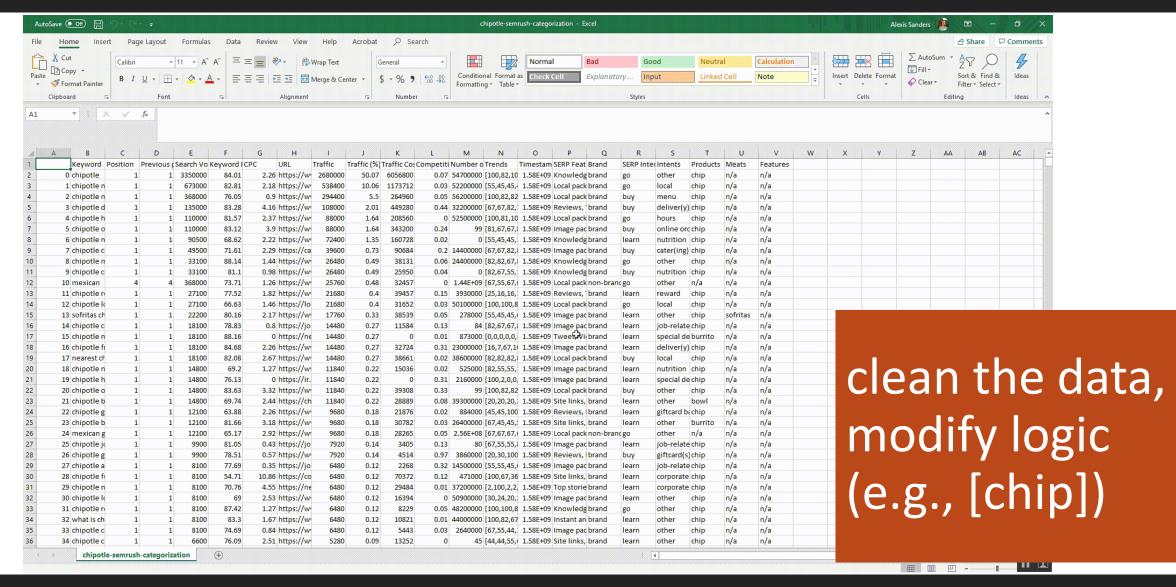
○ chipotle.com — Organic Researc × | ○ jupyter-stuffs/chipotle/



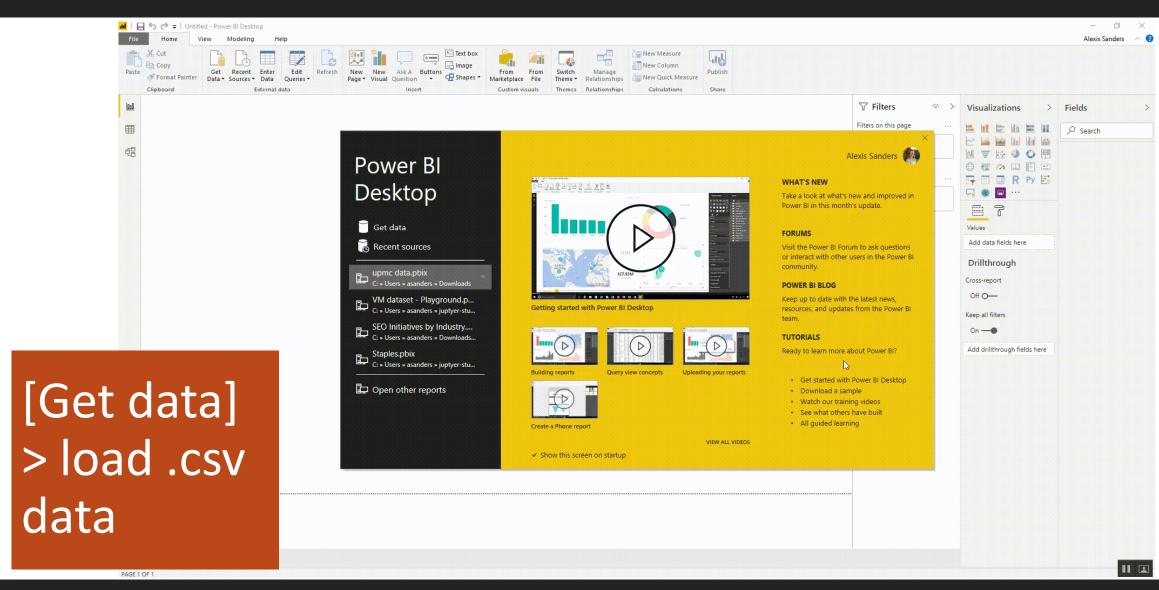
X / Chipotle Notebook - Keyword Ca X +

- 0 ×

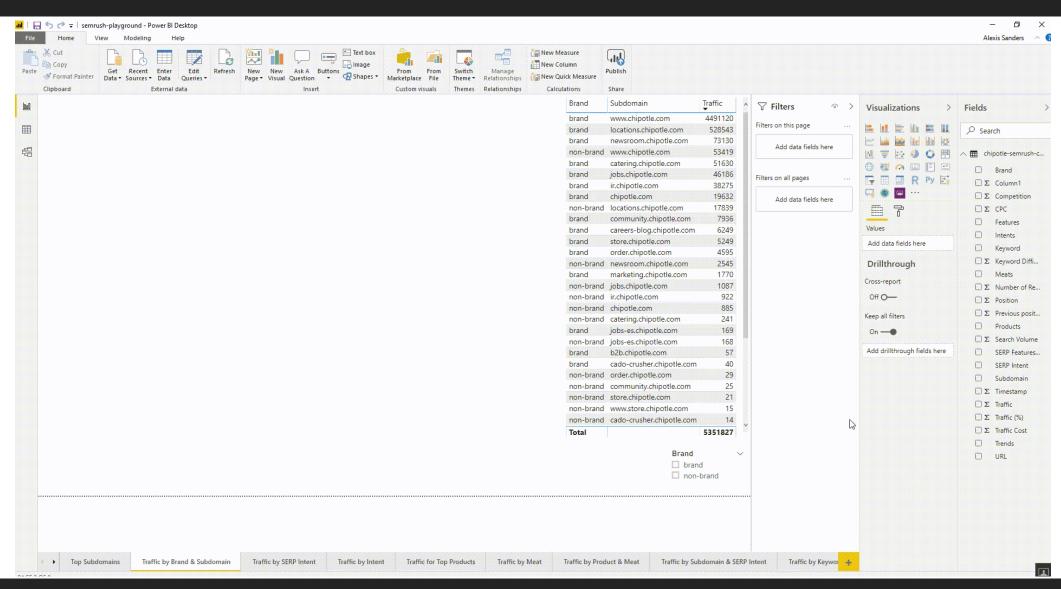
#### Step 8: Review data in Excel (then make logic adjustments)



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

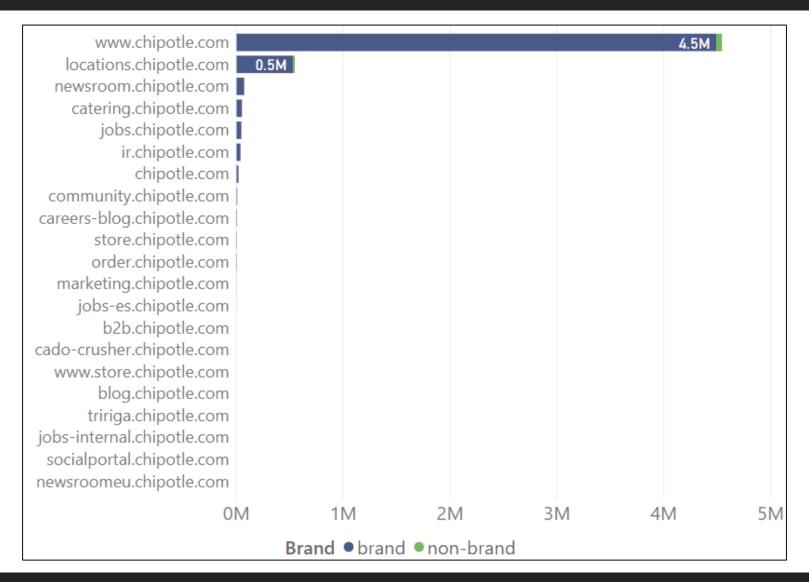


#### Example 1: What are the top subdomains?

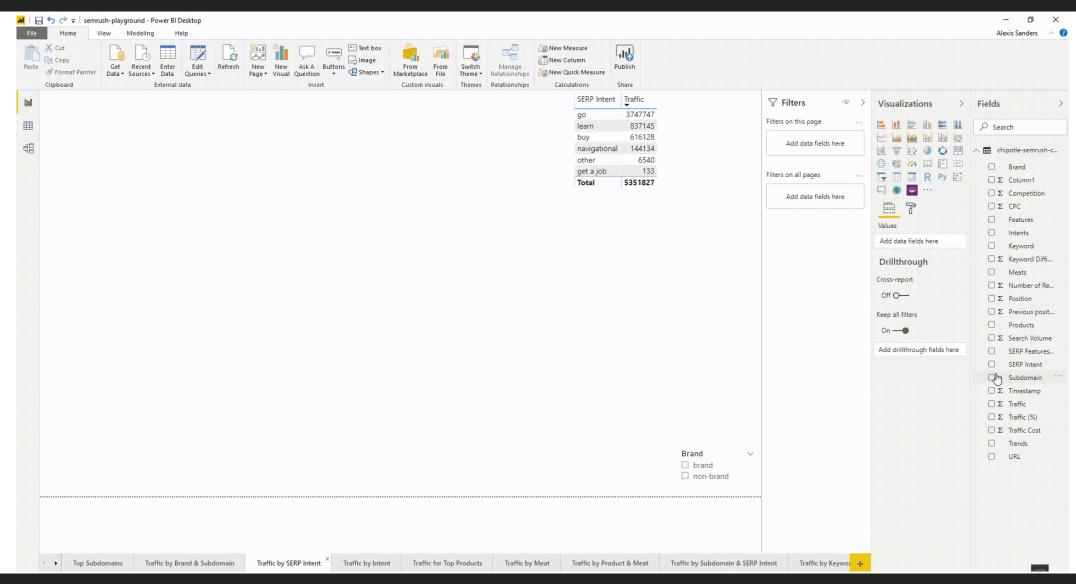


#### And... we make the chart look nice in the style tab



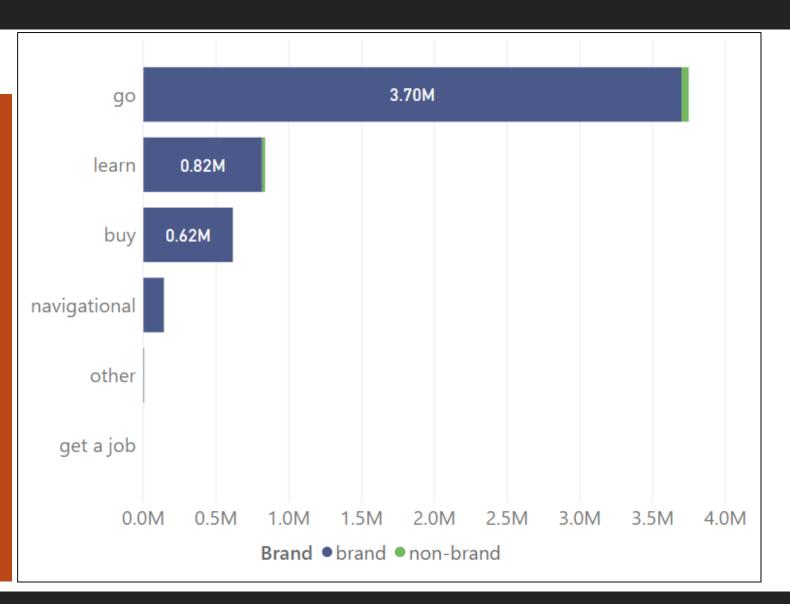


#### Example 2: What are the top SERP intents?



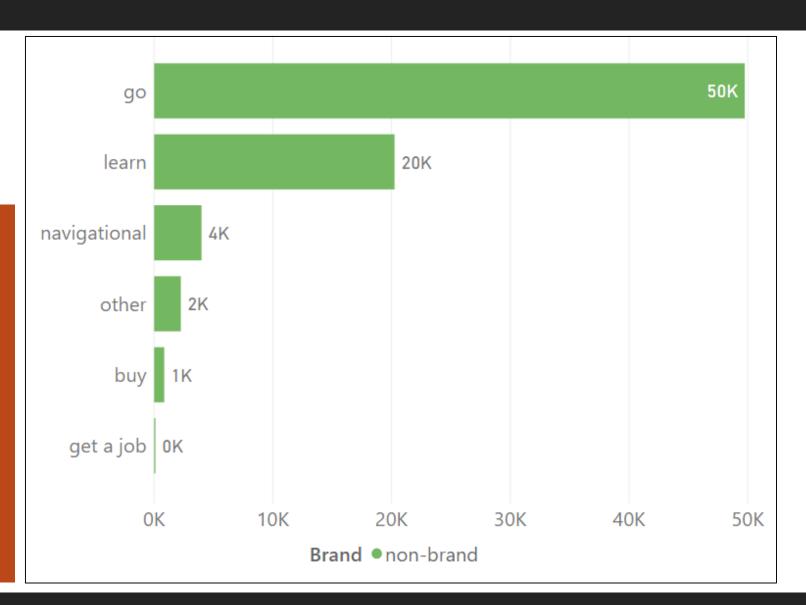
#### Very high likelihood of hitting a local pack in the SERP

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

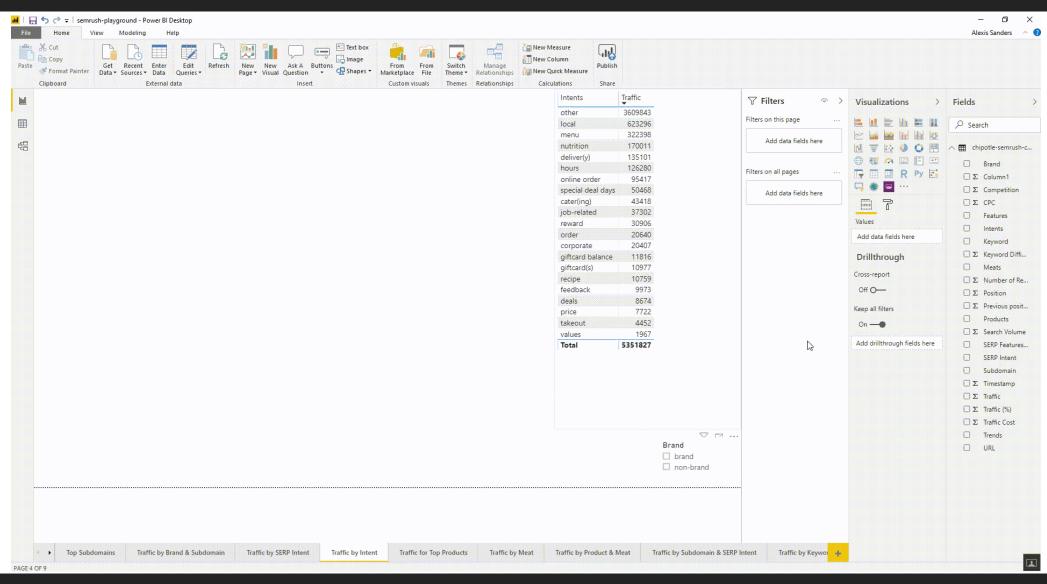


#### Very high likelihood of hitting a local pack in the SERP

and... nonbrand is similar (buuuut with less ads)

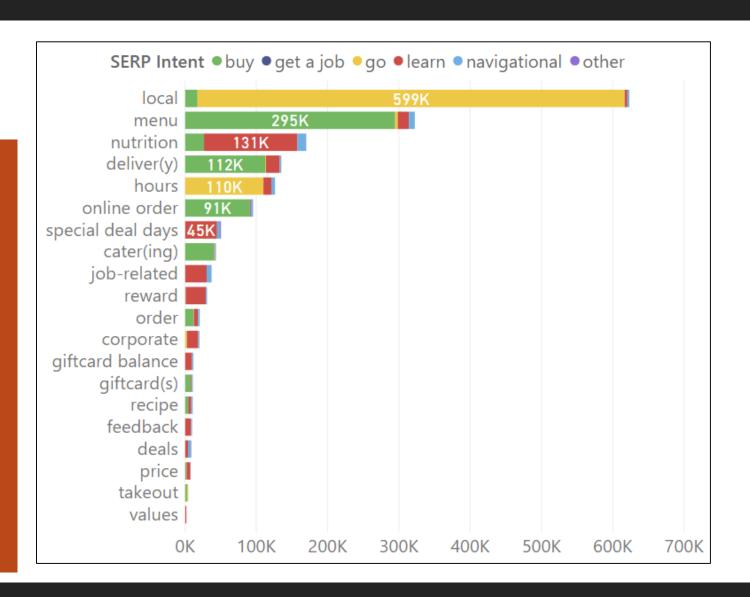


#### Example 3: What are the top intents?

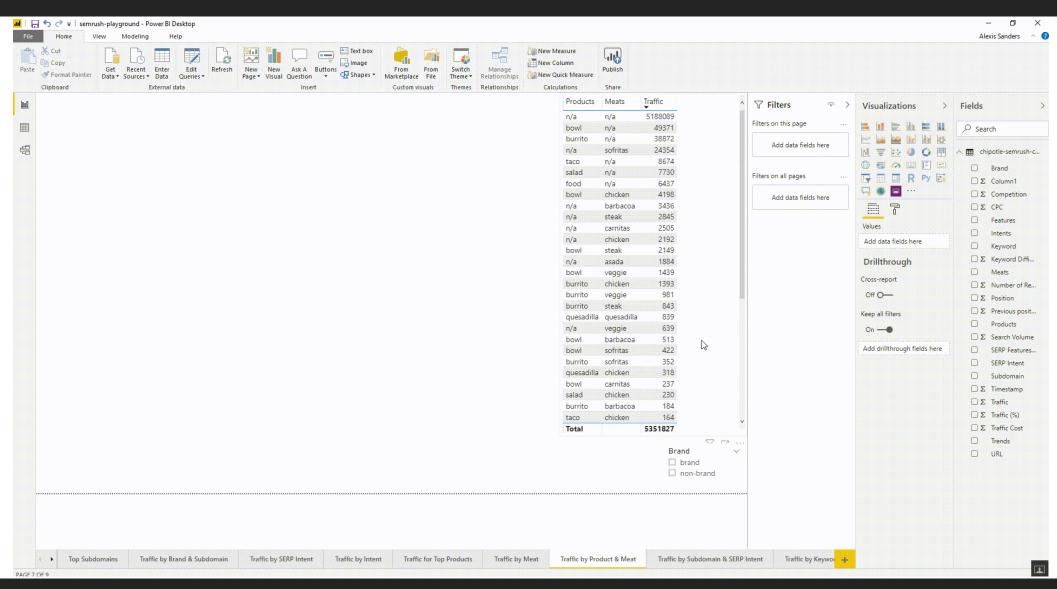


#### This one got a bit meta...

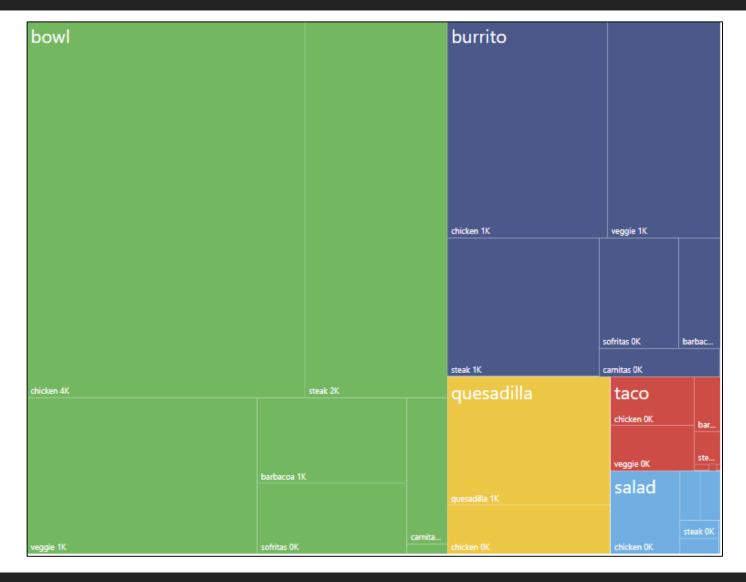
it's the intent's I made up overlaid with the SERP intents (based on SERP features that appear)



#### Example 4: What the top products by meat?

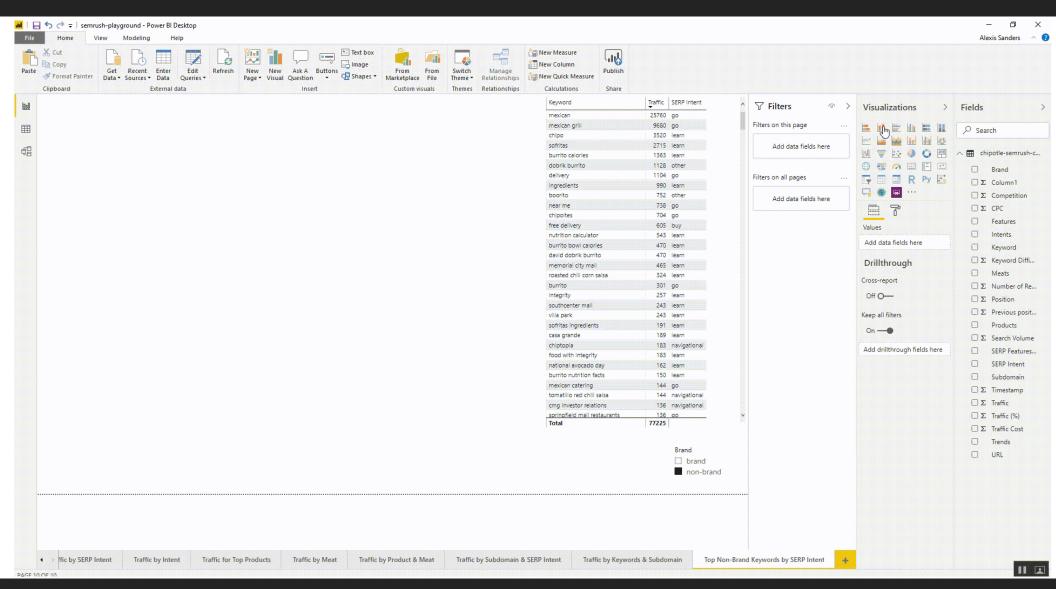


#### Chicken bowl for the win...

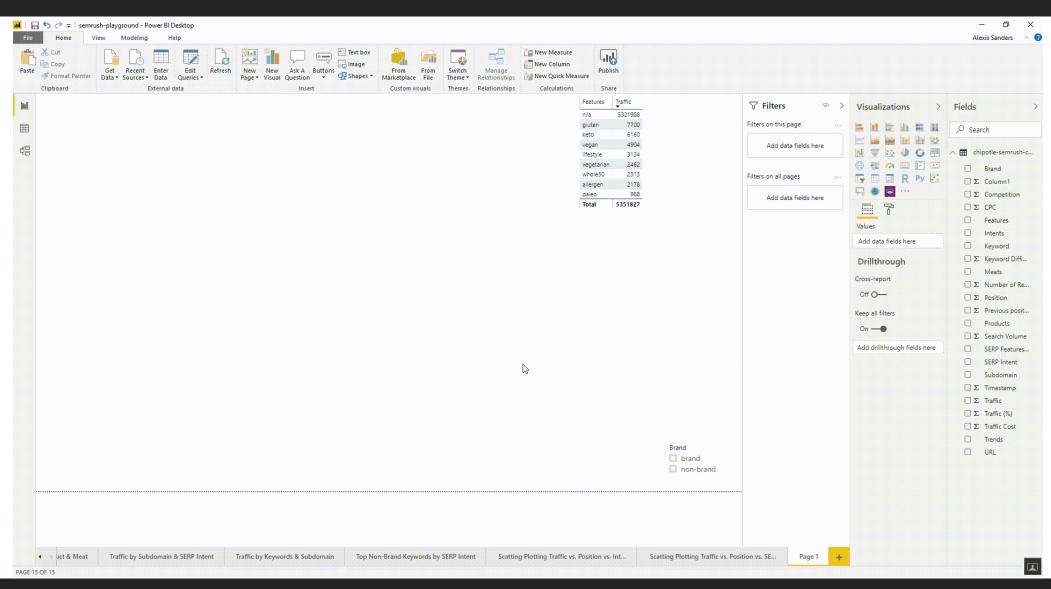


who knows ... maybe people want to know what sofritas it, but don't necessarily want to eat it...

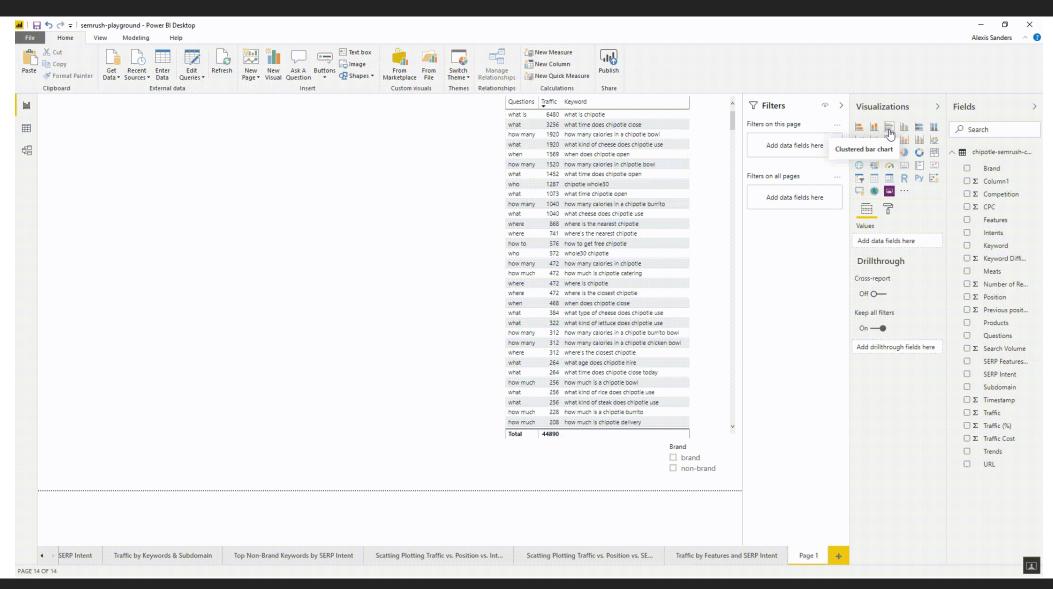
#### Example 5: What are top nb keywords & their intent?



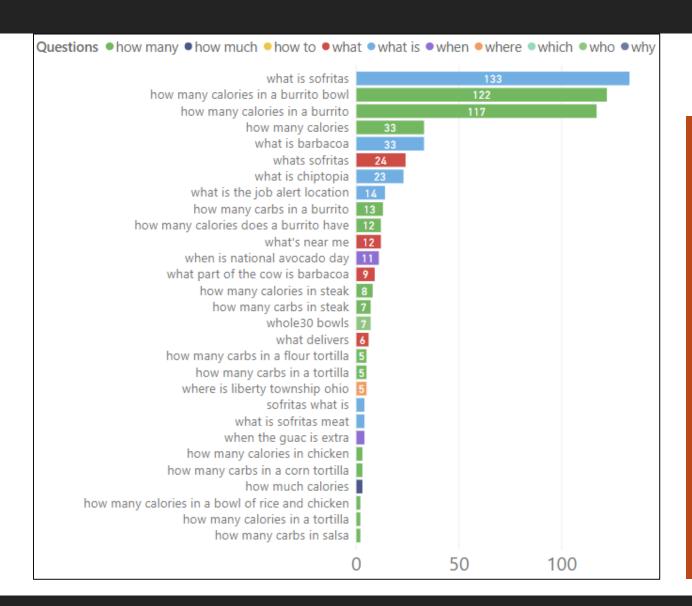
#### Example 6: What are top features?



#### Example 7: What are top questions?



#### Tofu... it's tofu...



#### for calories

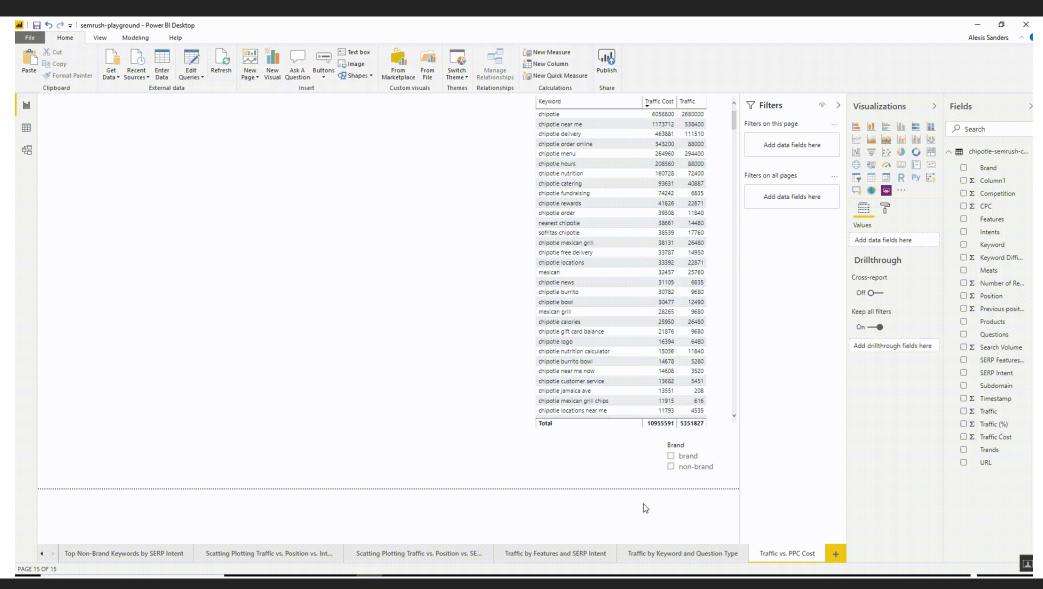
Chipotle actually has a nutrition calculator, you can add your

(cough...and macros...cough),

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

usual order

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



# http://bit.ly

dealing-with-ranking-data

# Check out my slideshare for .ppt version with GIFs

# Thank you!