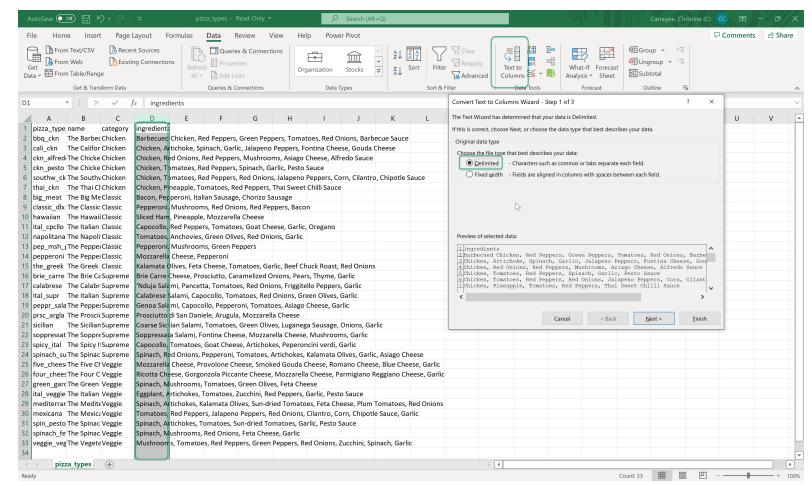


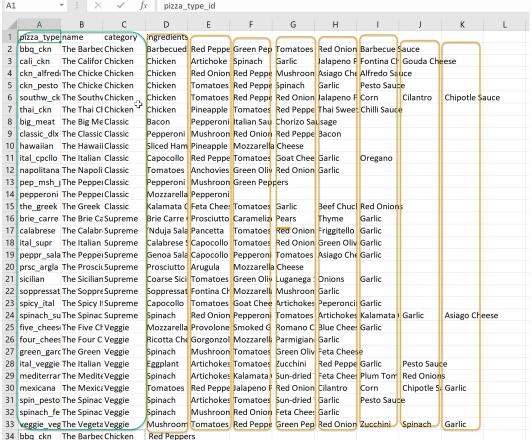
These are the steps I used to take the Maven Pizza Challenge Data and create a chart using Charticulator similar to their sample Chartacter co-occurence in Les Miserables radial network diagram.

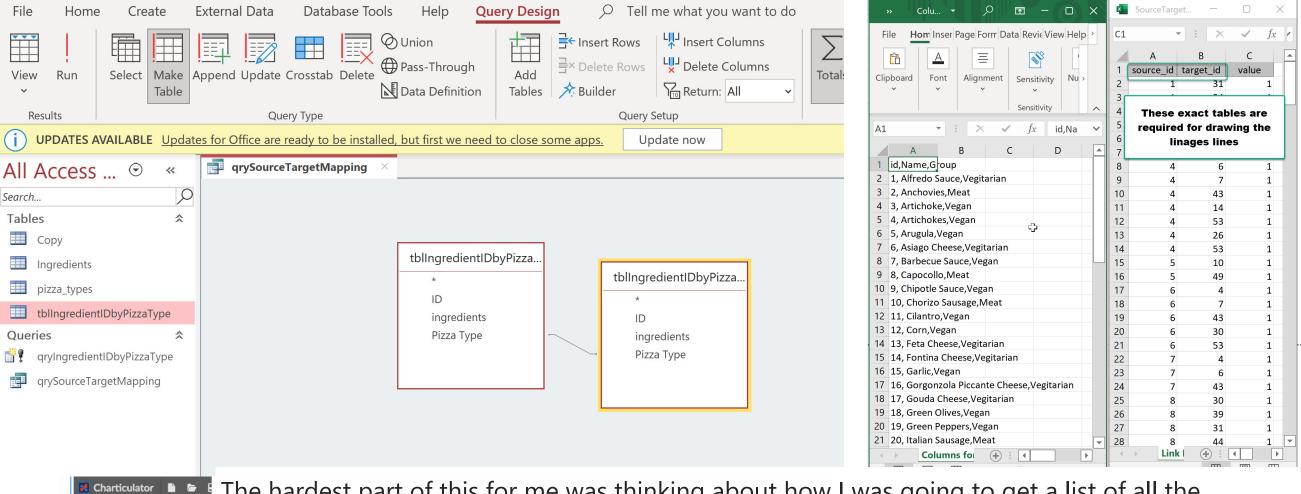
- Download data from https://www.mavenanalytics.io/blog/maven-pizza-challenge https://www.mavenanalytics.io/data-playground
  There are 4 data files and 1 data dictionary, but for this you only need to "Pizza Types" CSV
  - Open in Excel and split the ingredients field using ","



In the 'Pizza Types" file create new columns for each of the toppings, then pivot those toppings into a narrow data format

Remove duplicates and also rows with Topping = Null





Columns

name

% group

Link Data

% source\_id
% target\_id

/ value

% id

les\_miserables\_nodes

The hardest part of this for me was thinking about how I was going to get a list of all the ingredients that get used together for the source\_id and target\_id format required to draw the connection lines in Charticular. -- I did this by creating a Key field for each ingredient and then joining the unique list of ingredients by Pizza type to itself on Pizza Type -- which creates the new records you need.

It turns out the fields need to be labeled exactly as shown to or it won't recognize how to draw lines