HOW DOES GROUPBY WORK?

What if I want to group the observations in my dataset by item name...

	item_name	item_price
0	Chips and Fresh Tomato Salsa	2.39
1	Izze	3.39
2	Nantucket Nectar	3.39
3	Chips and Tomatillo-Green Chili Salsa	2.39
4	Chicken Bowl	8.49
5	Chicken Bowl	10.98
6	Side of Chips	1.69
7	Steak Burrito	11.75
8	Steak Soft Tacos	9.25
9	Steak Burrito	9.25

HOW DOES GROUPBY WORK?
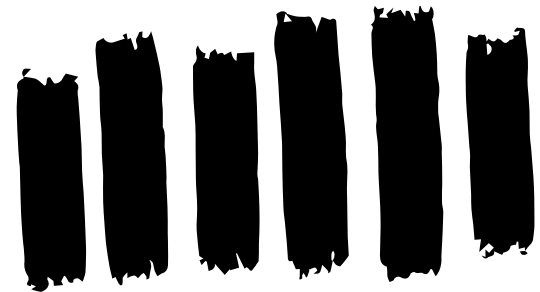
	item_name
0	6 Pack Soft Drink
1	Barbacoa Bowl
2	Barbacoa Burrito
3	Barbacoa Crispy Tacos
4	Barbacoa Salad Bowl
5	Barbacoa Soft Tacos
6	Bottled Water
7	Bowl
8	Burrito
9	Canned Soda
10	Canned Soft Drink
11	Carnitas Bowl
12	Carnitas Burrito
13	Carnitas Crispy Tacos
14	Carnitas Salad
15	Carnitas Salad Bowl
16	Carnitas Soft Tacos
17	Chicken Bowl

HOW DOES GROUPBY WORK?

I have 2 observations with the item name Crispy Tacos.

	item_name	item_price
520	Crispy Tacos	7.4
521	Crispy Tacos	7.4

HOW DOES GROUPBY WORK?

I have 7 observations with the item name Veggie Soft Tacos.

	item_name	item_price
738	Veggie Soft Tacos	11.25
781	Veggie Soft Tacos	8.75
1395	Veggie Soft Tacos	8.49
1699	Veggie Soft Tacos	11.25
2384	Veggie Soft Tacos	8.75
2851	Veggie Soft Tacos	8.49
3889	Veggie Soft Tacos	8.49

HOW DOES GROUPBY WORK?

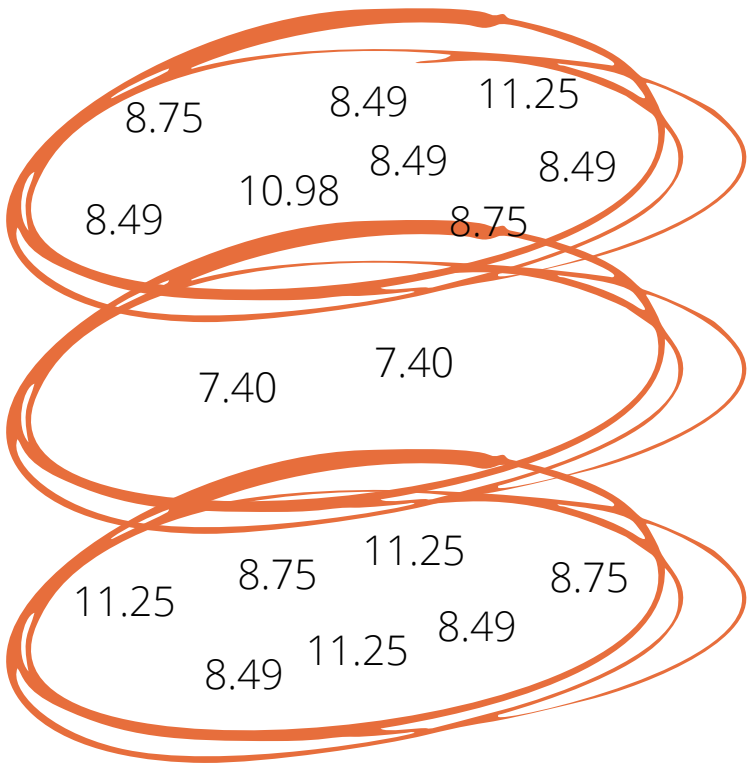And I have hundreds of observations with the item name Chicken Bowl.

	item_name	item_price
4	Chicken Bowl	8.49
5	Chicken Bowl	10.98
13	Chicken Bowl	11.25
19	Chicken Bowl	8.75
26	Chicken Bowl	8.49
...	...	...
4590	Chicken Bowl	11.25
4591	Chicken Bowl	8.75
4595	Chicken Bowl	8.75
4599	Chicken Bowl	8.75
4604	Chicken Bowl	8.75

THESE VALUES CAN'T ALL FIT IN ONE CELL!

item_price

item_name

Chicken Bowl

8.75   8.49   11.25
8.49   10.98   8.49   8.49
8.75

Crispy Tacos

7.40   7.40

Veggie Soft Tacos

11.25   8.75   11.25   8.75
8.49   11.25   8.49

USE AN AGGREGATE FUNCTION TO SUMMARIZE

	item_price_mean
item_name	
Chicken Bowl	9.66
Crispy Tacos	7.40
Veggie Soft Tacos	9.35

USE AN AGGREGATE FUNCTION TO SUMMARIZE

item_name	item_count
Chicken Bowl	726
Crispy Tacos	2
Veggie Soft Tacos	7

USE AN AGGREGATE FUNCTION TO SUMMARIZE

item_name	item_price_sum
Chicken Bowl	7011.51
Crispy Tacos	14.80
Veggie Soft Tacos	65.47

USE AN AGGREGATE FUNCTION TO SUMMARIZE

item_name	item_price_median
Chicken Bowl	8.75
Crispy Tacos	7.40
Veggie Soft Tacos	8.75

CHECK
OUT MY
NOTEBOOK
HERE