

For the results of the output of task 2, I found there is some connection between frequent item sets.

1. Compare to the business, I found frequent itemsets have a similar category.

For example, the frequent itemsets:

('4k3RIMAMd46DZ_JyZU0IMg', '7sPNbCx7vGAaH7SbNPZ6oA', 'JyxHvtj-syke7m9rbza7mA')

The first one's category is sushi, Japanese food. The second one contains Asian food. The third one is also Japanese food. Also, their business names reflect the food category in some way. I think it is because people like a category food, they always go to different restaurant sold similar kind of food. So these restaurants can be frequent itemsets.

2. The business in frequent itemsets always in the same city. Because people in one area always go to the business which is in the same city. It is convenient so these businesses become frequent.

3. Also the business in frequent have similar attributes.