

DoorDash Orders

SkillBuilder

This SkillBuilder uses a sample of orders made on DoorDash, collected during the first week of February 2015. This data can be found in the **DoorDash** table in the SkillBuilder workbook.

Note that the data table can be found on a different sheet than where the questions are. In addition, the “market” cities are manufactured: they are not the actual cities that the data were originally associated with. They’re simply labels to enable a more natural discussion than, for example, just saying “city 1” or “region 2”.

Part 1 - Engineering Data

As another reminder, the DoorDash table is on a different sheet compared to where the questions are located.

1. In the `delivery_time` column (Column E), fill in the number of minutes it took between when an order was created (Column C), and when it was delivered (Column D).
 - Remember how dates are stored in Excel, and think about how many minutes there are in a day. Review the Cleaning Data module if you need a refresher.
2. To check your work: what is the average number of minutes it took for orders to be delivered, across all orders in the data period?
3. What is the standard deviation for the number of minutes it took for orders to be delivered?

Part 2 - PivotTable I

4. Create a PivotTable that summarizes the number of orders made, the average delivery time, and the average price of orders made (Column J) in each market region (Column B).
 - This will require multiple features in the Values area of the PivotTable construction. Make sure to change the summarization settings to get the required summary values.

Use the PivotTable to answer the following questions.

5. Which market has the highest number of orders?
6. Which market has the lowest average delivery time?

7. Which market has the highest average order price?

Part 3 - PivotTable II

8. Below the previous PivotTable, create a new PivotTable that summarizes the number of orders made by the primary category of each store (column H). Sort the table by the number of orders, in descending order.
9. Which cuisine type is the most popular overall?
10. Modify the PivotTable by adding a grouping by market region to the table. Change the count of orders to be a percentage within each market region.
 - In other words, the total percentage for each city should add up to 100%.
11. What percentage of orders made in Boston are from places labeled as 'chinese'?
12. In how many regions is the most popular overall cuisine (which you found in Question 8) actually the most popular cuisine within an individual market region?
13. Which region has the highest percentage of orders coming from a 'sandwich' shop?