foodpanda BI Exercise

Part 1 - SQL

To work on these questions two .csv files have been provided. Please ensure you have these files before proceeding:
1) orders.csv
2) vendors.csv

You may wish to study the data in both datasets carefully before attempting the exercise. We recommend loading the datasets on a BigQuery sandbox (https://cloud.google.com/bigquery/docs/sandbox) as an environment for you to write and test your queries.

Please provide SQL queries (saved as a PDF) to answer the following questions. Expected answers are provided for reference.

1 - List all the orders that were made in Taiwan

Expected answer:

Row	rdbms_id	country_name	date_local	vendor_id	customer_id	gmv_local	is_voucher_used	is_successful_order
1	18	Taiwan	2012-10-02T00:00:00	2870	3983	713.7	false	false
2	18	Taiwan	2012-10-02T00:00:00	2870	3010	270.3	false	false
3	18	Taiwan	2012-10-02T00:00:00	3812	3983	551.1	false	false
4	18	Taiwan	2014-10-02T00:00:00	2870	43008	2532.33	false	false
5	18	Taiwan	2014-10-02T00:00:00	3812	42901	332.15	false	false
6	18	Taiwan	2012-10-02T00:00:00	2870	3977	629.2	false	true
7	18	Taiwan	2012-10-02T00:00:00	3812	3524	45.0	false	true
8	18	Taiwan	2014-10-02T00:00:00	3812	15797	1228.5	false	true

2 - Find the Total GMV by country

Expected answer:

Row	country_name	total_gmv
1	Taiwan	17889.23
2	Singapore	3424.75
3	Thailand	1658.26

3 - Find the top active vendor by GMV in each country

Expected answer:

Row	country_name	vendor_name	total_gmv
1	Singapore	IC House	1924.96
2	Taiwan	Sweet Chinese Desserts	13491.41
3	Thailand	9th Cafe House	1658.26

4 - Find the top 2 vendors per country, in each year available in the dataset

Expected answer:

Row	year	country_name	vendor_name	total_gmv
1	2012-01-01T00:00:00	Singapore	IC House	119.34
2	2012-01-01T00:00:00	Singapore	Canada Paste	89.64
3	2012-01-01T00:00:00	Taiwan	I LOVE PIZZAAAAAAAAAAA	1613.2
4	2012-01-01T00:00:00	Taiwan	Sweet Chinese Desserts	596.1
5	2012-01-01T00:00:00	Thailand	9th Cafe House	1658.26
6	2014-01-01T00:00:00	Singapore	IC House	1805.62
7	2014-01-01T00:00:00	Singapore	WS (BM)	768.83
8	2014-01-01T00:00:00	Taiwan	Sweet Chinese Desserts	12895.31
9	2014-01-01T00:00:00	Taiwan	I LOVE PIZZAAAAAAAAAAA	2784.62

Part 2 - Data visualisation

- Have a look at the Chicago Taxi Trip public Dataset from BigQuery (https://console.-cloud.google.com/bigquery?p=bigquery-public-data&d=chicago_taxi_trips&page=dataset) and explore it.
- Download Tableau Desktop (https://public.tableau.com/en-us/s/) or utilise Google Data Studio for this visualisation exercise
- Create a story/dashboard(s) using Tableau or Data Studio (https://onlinehelp.tableau.-com/current/pro/desktop/en-us/stories.html)
- Send the final workbook (tableau public or data studio public link) together with a PDF export and be prepared to do a 15 minutes presentation on that workbook onsite/via call

Note: If you're using data studio, please make sure the dashboard view settings is set to public