

Cava Grill: Business Intelligence Data Challenge

Spring 2017

Introduction:

As a means of assessing a candidate's overall ability to both analyze data and communicate effectively, we devised following challenge.

Complete as much or as little as you'd like (seriously don't fret or stress too much); those who provide the most thorough insight and analysis will be given preference. Reports should be written in a formal, professional style (not slide presentations). When you are finished, submit all materials (including any code, graph images, notes, method descriptions, extra thoughts, etc.) to julene.latter@cava.com and josh@cava.com.

While you could no doubt spend quite a bit of time on these tasks, it is designed so that candidates should be able to complete the analysis within two or three hours. If you find that you have spent more than a few hours working, you may certainly simply submit what you have (partial responses will be reviewed). The main purpose of this exercises and challenge is to get a better understanding of the candidate's technical skills.

Data Analysis¹:

You should have received a file named "cavaitemssold_bi.csv" along with these instructions (if not, you can download from <https://goo.gl/Nsg3lm>). There are an unknown amount of rows; each row represents an item sold, a corresponding checkid, and the date of purchase. The data has been randomly generated for this challenge; it is not "real" data. Please summarize the data with any KPI's or metrics you find fit.

Your task is to analyze the data and describe any meaningful insights you find (this task is open ended on purpose). Your analysis should be as thorough as possible. Feel free to be creative in your exploration and to document the process you used in your investigation. Pretty graphs are certainly welcome, but make sure there is sufficient textual analysis as well.

If you have any questions, feel free to email julene.latter@cava.com.
