

Grade and Assignment

You will be evaluated on the quality of a Business Report based on a case study. Your statement of work and the expectations are described in the following section.

Challenges - Continuous grading

Group work - Write a Business Report

Your mission

It does not matter whether you are using SPSS Statistics, IBM Watson Studio, or SPSS Modeler – the best way to learn data science is to learn the basics and then just start working a data science problem.

You are a marketing consultant team for Airbnb in charge of understanding customer satisfaction in Nice.

Your mission in this project is to define an interesting marketing question(s) and provide informed recommendations based on data analytics.

You may explore the data in ways to identify trends, clusters, interesting outliers, interesting descriptive statistics, patterns and associations.

You should draw conclusions on the best marketing actions to perform while highlighting the informed decisions that you recommend using analytics. As such, please do the following:

1. Form a team (groups of 6 people, no individual work is accepted, neither groups of 1-5)
2. Have a look at the data
3. What could be possible marketing actions for Airbnb? Which business question can you answer in understanding customer satisfaction?
4. Performing analyses on data
5. Write a report

Your evaluation

Your group will be evaluated based on your capabilities of:

- Understanding the business problem, the data provided to you and the insights you can find out of this dataset (What?)
- Explore the actual characteristics and emerging patterns of the Airbnb marketplace in Nice. (Why?)
- Applying the methods used in class in his report.
- Getting valuable insights for the recommended actions to improve customer satisfaction in Nice.

The data needed for the evaluation is the AirBnb.csv file available in the /data folder of this repository

[Link to the data - in GitHub](#)

[Link to the data - in Blackboard](#)



☐ **Airbnb.csv**

Size 1.57 MB



☐ **AirBnb.xlsx**

Size 1.3 MB

You should draw conclusions on the best marketing actions to perform while highlighting the informed decisions that you recommend using analytics. As the marketing consultant, you are in charge of assembling your findings in a shareable report-style document that anyone new to the use case should understand.

Output format: Please prepare your report in a pdf format. You need to add your output of your analysis to the appendix. Your report should be in between approximately 3500 words long, and include figures and references, excluding the appendix.

Tools: you're free to use the tools we have presented (SPSS Statistics, IBM SPSS Modeler, IBM Watson Studio)

Considerations: you will be evaluated on your analytical approach to solve the business problem.

You are also free to refine, enrich the data the way you want if you find it useful to your study. Always think of reusability: someone new to the use case with the similar data should be able to reproduce your study.

The report must be structured in the following way:

- Title, authors, group
- Executive Summary
- Introduction

- Problem Statement
- Methodology
- Findings
- Discussion

Your grade will mostly rely on:

- The approach and your group reasoning
- The capability of answering complex questions in simple ways
- The quality and effectiveness of analytical research
- The quality and effectiveness of your communication

Intellectual Property: Your report will undergo a plagiarism check. Make sure you cite all your references and that your report is the result of your groups own unique work and not of someone else's. Pursuant to EDHEC code of ethics, plagiarism constitutes a disciplinary violation and will results in a disciplinary procedure.

Questions

We are available to answer any of your questions:

- Emmanuel Génard – genard@fr.ibm.com -
- Yann Gouedo – yann.gouedo@fr.ibm.com

Due date is *to be announced*, no delays. Send your report to your professors.

