.rand() function in excel to get the random number (after I turn them to percentages) and say for the number acquired from the function that those were the positive reiviews out of the the number that the specific listing had

## Group Assignment Instructions

### “Building the Data Visualization for Company XYZ”

**Pre-steps:** each team should decide the department of a company and find relevant data to analyze.

**Requirements:**

**Report**

* ~4,500 words describing the data, process/steps followed to analyze and detailed insights and recommendations
* Document’s ***format*** should be restricted to Microsoft Word document. No other document formats are acceptable. Complementary documents (e.g. excel worksheets) are uploaded separately.
* In-text citations and reference of sources is absolutely obligatory.

**PowerBI**

1. **Presentation of the data/ Write some things about the columns what we see in each one.**
2. **Quality check (e.g. number of blanks/na/duplicates/extreme values/Types of data/inconsistencies/noise of the data 🡪 the cleaning of the data must be done into PowerBI and report the steps in the word document.**
3. **Before the analysis show some summary of the data (Present the data)**
   1. **Discriptive stats**
   2. **Average/min/max**
4. **Then building the data/core dashboards**
   1. **The insights that are going to be described in the report should be in the word document also (what is described should be present in the report) 🡪 They should be more detailed in the report and just orally say the statement/insight at the presentation.**
5. **15 min presentation of PowerBI**
6. **5 min of Q&A**

**PowerBI Structure**

**C-lvl pages (Must be able to understand all the info summarized in this)**

1. **CoverPage**
2. **One page with key-findings**

**Detailed PowerBI-Presented pages. (This will be presented)**

1. **Cover Page (topic here)**
2. **Present ourselves.**
3. **Contents/Agenda 🡪 Here I could do also the introduction**
4. **The Data (audience has to understand what going on, for example have an analysis on a client level showing this and that)**
5. **5-10 or 5-9 or 5-11 our analysis** 
   1. **First page 4-5 visuals, basic analysis 🡪 Main Impact and try go obtain an insightA**
6. **Summary/Conclusions of the discussion/presentation**

* PowerBI dashboard which will present the key findings of your analysis (4-5 pages)

The 4-5 pages will be the core/net one’s/// as many as we want for intro/agenda….

* There need to be a logical flow from page to page which needs to be presented as well
* It’s expected to prepare a two variables analysis (regressions or correlation) and present the relevant results in the dashboard. Calculations need to be included it he PowerBI and the detailed steps in the Reprot
* It’s not expected to prepare any other data analysis (forecasting, k-means, etc.) if you do so it’s expected that you will defend the results and the approach.
* It’s expected that the dashboard will be dynamic
* It’s expected that key insights and recommendation could be derived by the dashboard; detailed explanation is expected in the Report
* It’s expected to prepare a separate dashboard with 1 page which will be the c-level summary.

The c-lvl will be something compact/ spend 5 min to understand whats happening

The c-lvl dashboard into SEPARATE POWERBI FILE 🡪 ALONE

* All PowerBI work is expected to be submitted along with the Report.

**General**

* For the purpose of the assignment, you are expected to decide the department of the organization you belong to (e.g. Finance, HR, Procurement, Marketing, Sales etc.)
* It’s expected that you will create additional columns and measures in your dataset. The calculations are expected to be part of the PowerBI and the detailed process to part of the Report.