



# Mini Project 1



## Project Overview

- 1: Find & understand your data. Explore it to get insights. Clean it
- 2: Transform your data and create pivot tables and dashboards



## What you're expected to do

- Using the data analysis cycle:
  - Find dataset
  - Understand your data
  - Clean your data
  - Get insights
  - Visualise it
- Bonus: A good presentation will give you bonus points



## Rules in selecting your data

1. Choose a dataset from the links provided, or from anywhere from the internet
2. Make sure it has no less than 10 variables
3. Do not pick a dataset that's already cleaned and ready to go
4. Pick completely raw data
5. **Do not copy an entire project from the internet**



## Understand your data

1. Basic understanding of dataset is the first and more important step of analysis
2. Take your time and pick a dataset you are completely comfortable working with
3. Understand the variables
4. Look for patterns
5. Look at the data from bird's eye view
6. List down any pattern you think could be of interest
7. Apply any basic formulas you think might help you get more information from the data like Average IF, SUM() , COUNT, COUNTIF



## Cleaning your data

1. Data preparation should take 70% of your time on project
2. Find any inaccuracies or anomalies and get rid of them
3. Use different methods and functions to clean your data
4. Format the data so it's easy to understand



## Analyse your data

1. Check for outliers, underlying structure of data
2. Variance and deviation in dataset
3. Perform boolean logical functions to create new columns
4. Apply lookup formulas where appropriate
5. Apply conditional formatting



# Pivot Tables

1. Try creating different tables and analyse the data
2. Format the tables where appropriate
3. Create graphs in storytelling way
4. Format the graphs





# Build Dashboard

1. Come up with an interactive, stunning dashboard!
2. Use different types of charts like line chart, pie chart, column chart etc to present your findings
3. Provide your findings/stats in the form of tables
4. Use company logos and a background picture
5. Make your dashboard visibly appealing
6. Add text where necessary for storytelling



**GOOD LUCK!**