

## Introduction to business problem

- This report covers the major aspects of a study done as a part of specialization certification for Data Science provided by IBM.
- Here, we have tried to apply all the knowledge acquired in the courses so far to enhance understanding of the subject matter as well as to gain some real life experience on working on a data science project.
- In this study we will focus on Mumbai city of India and different venues in it. We will then dive deeper to group venues in categories and segregate different areas of the city using data science methodologies.

### Problem Definition

- Mumbai! A city that never sleeps yet dreams, every day. With over 2 and a half Crores of population, the city welcomes thousands of new people every day. In year 2020, what happened to the whole world, also happened to Mumbai. The hottest lines of this country, the Mumbai locals were stopped for first time since they started. A city that never sleeps became sleepless and everything came to halt for uncertain duration of time.
- We all know these stories and have cursed 2020 enough. Let's fall in place now, let's get back to our places. From 'chai tapri' to executive dine-ins, from art galleries to cricket grounds, we have covered everything in this study.
- As we are slowly getting back towards normal, we need to provide a detailed study of different venues and their categories as well as which corners of the city to find them in.