Data Analytics Process: Application in Real Life Scenario Case Study

Case Study: Understanding the attendance trends for a school

1. Plan: first understanding which parameters are affecting the attendance records. For example, the grades of the student, health condition of a student, weather, etc.
2. Prepare: next get the data regarding the attendance records from the school for a sample of students.
3. Process: cleaning the missing records, removing the errors (where student present has been marked absent or vice versa cause of manual errors during attendance filling by the teacher).
4. Analyse: understand the co-relation of different factors discussed in the planning stage with the attendance trends and how they're affecting the attendance of students.
5. Share: Communicate the insights gained to the school, with the parents of the student with low attendance record and discussing the reason accordingly.
6. Act: Then take actions regarding what could be done to reduce the low attendance.