

Lending Club Case Study

Group Members

Sayan Mondal

Aravinda Lokesh

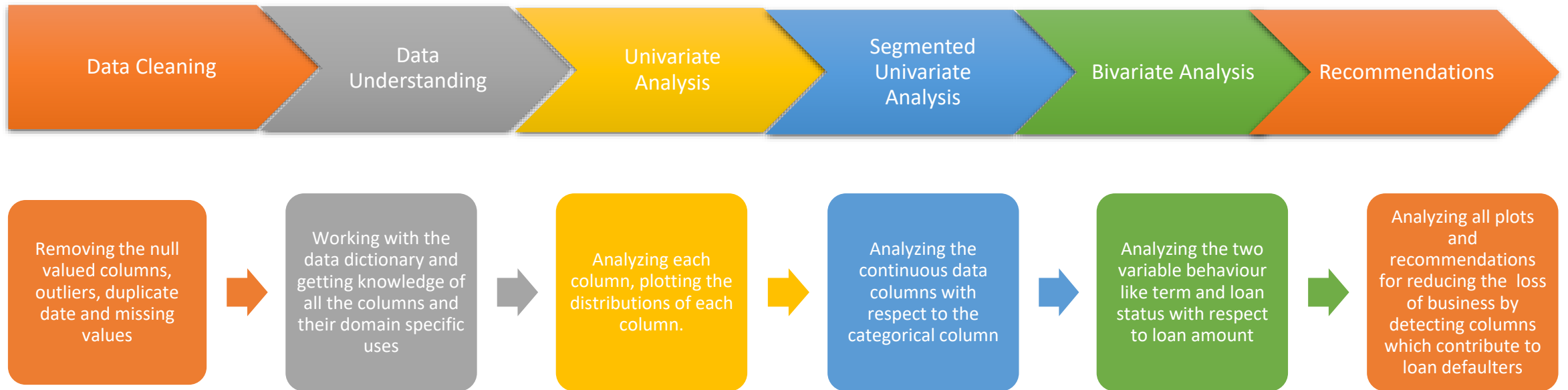
Case Study Objectives

Identification of loan applicant pattern that tend to 'Default' paying back

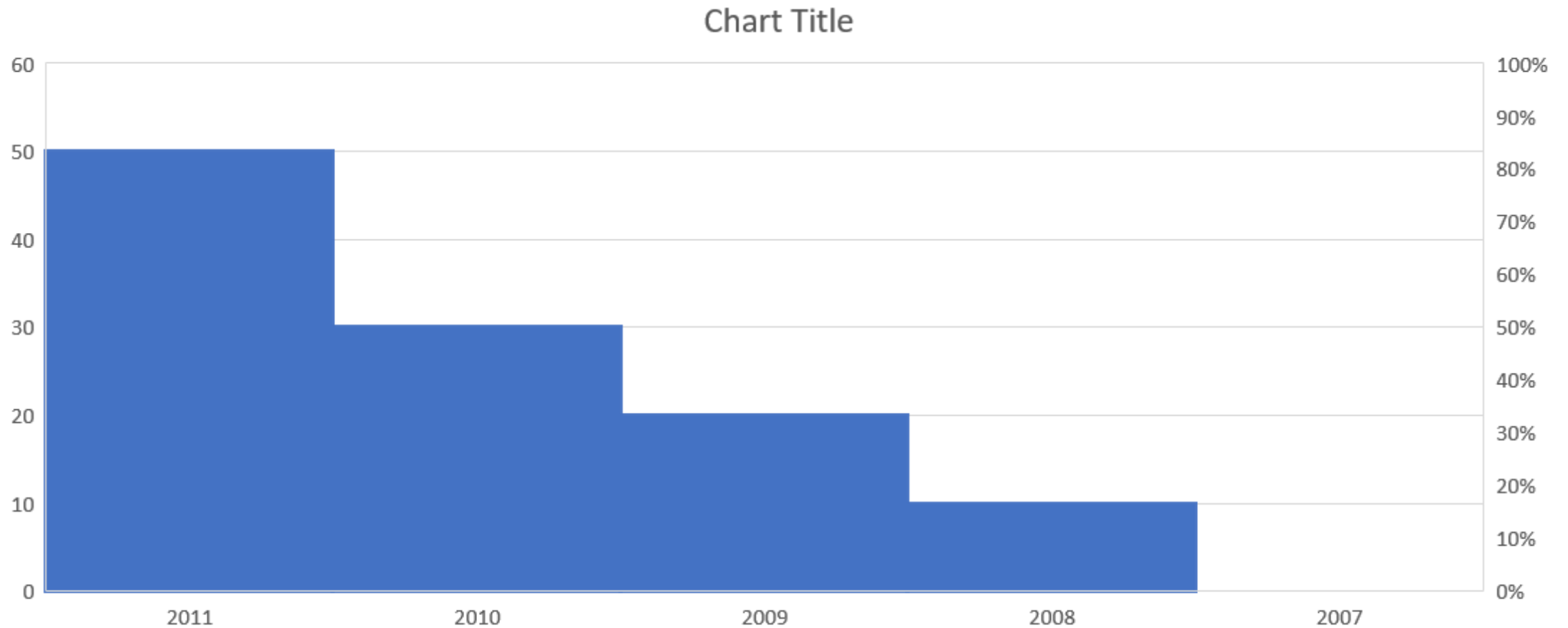
Understand the 'driving factor' behind loan default phenomena

By using the information on the past loan applicants, find whether they defaulted or not

Problem Solving Methodology

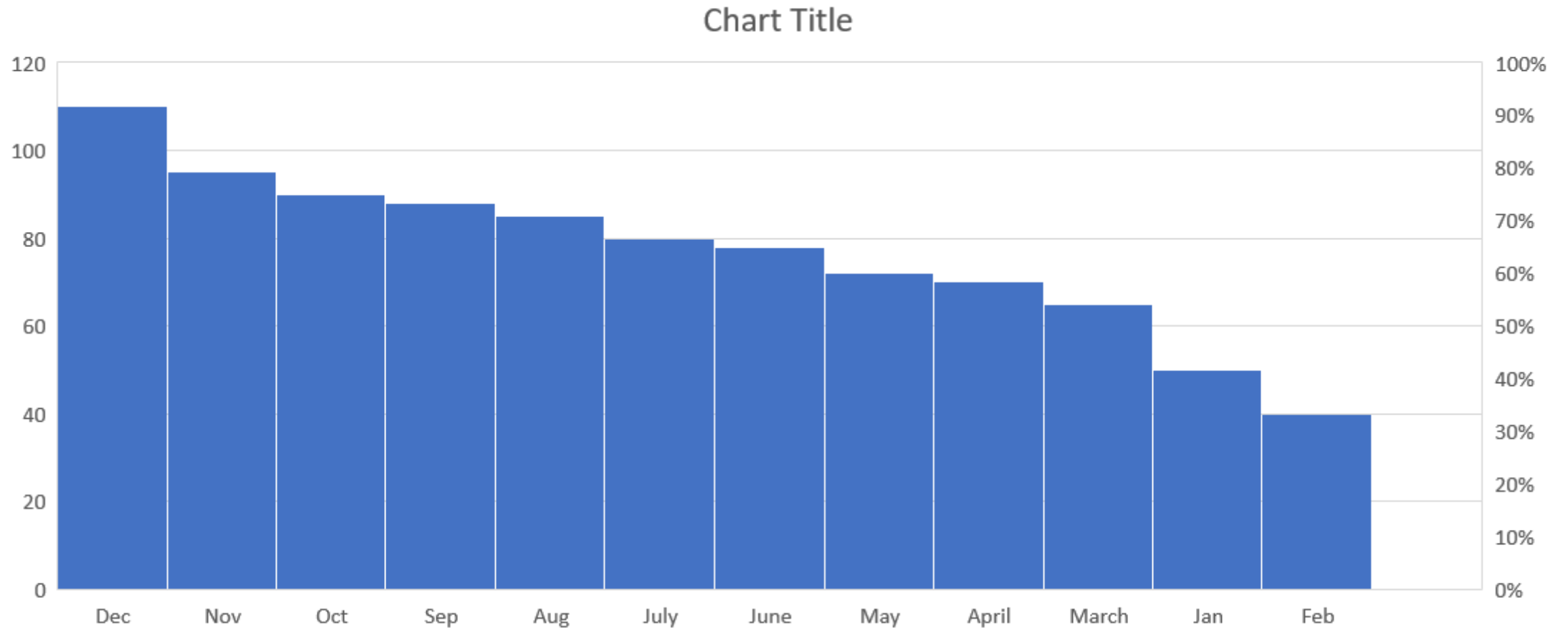


Analysis - Yearly



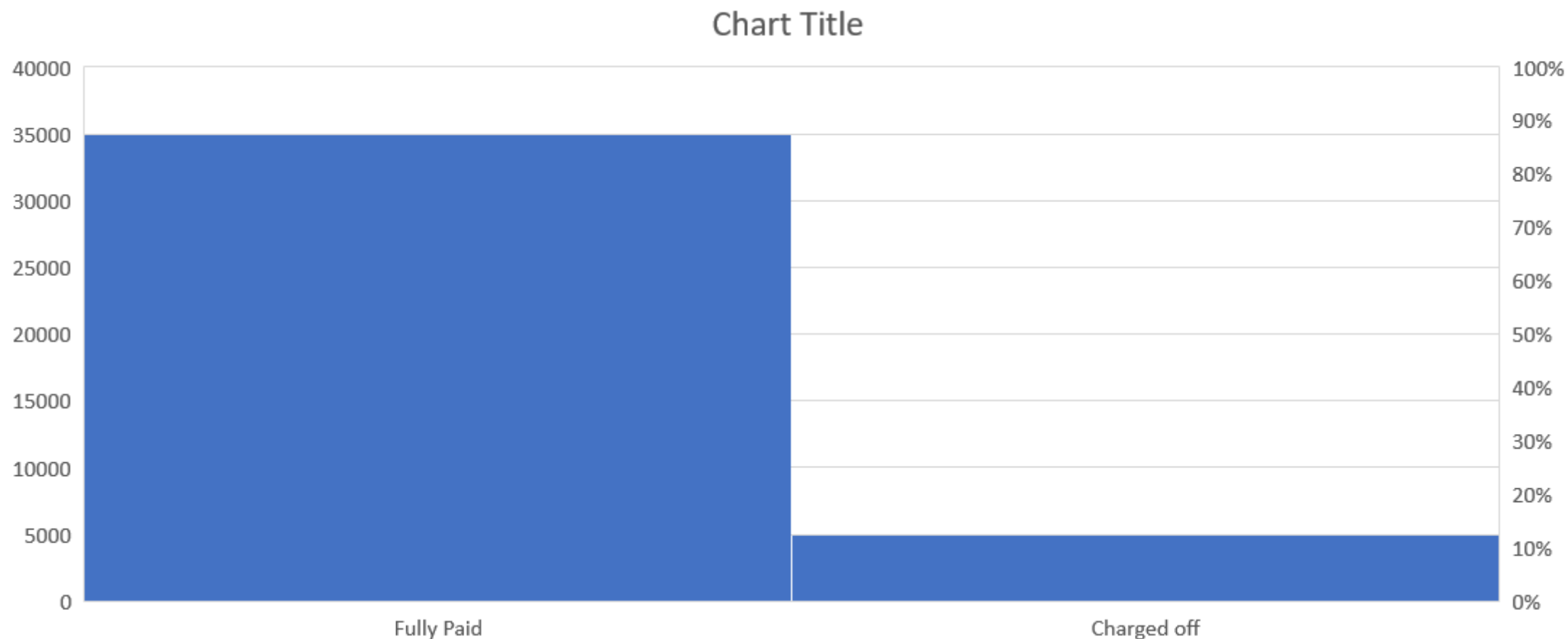
- Lending Club has really expanded year by year, the number of loan issued are doubled every year.

Analysis - Monthly



The issued month of loans is increasing from January to December. In the final quarter of year there are more loans issued, this could be because of vacation and Christmas.

Loan Status Analysis



Observations:

- 1) Most of the loans are fully paid.
- 2) 14% of loan are having status as defaulters.
- 3) The loan has been increasing exponentially each year



- Small business loans are defaulted more. Lending club should stop/reduce issuing the loans to them.
- Loans having higher interest rate have more defaulters. Check the background of applicant thoroughly if interest loans are higher.
- Lending club should reduce the high interest loans for 60 months tenure, they are prone to more default.
- Extra scrutiny must be done for specific states where the defaulters percentage is higher.