

# Project Charter

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## Problem Statement

Data from January throughout April, 2016, from First P2P, reflects an *average 1.0370%* five-day increase rate of trading volume of the platform with around *15% defective values*. Based on the financial professional knowledge, operation condition of the company, and the financial market environment, it is believed that a five-day increase rate is normally distributed with constant variance, and a value that *less than 0.83%* (*assumed to be constant in our project*) is regarded as a *defective value*, which can lead to a reduction in benefit of the company.

## Project Objective

Reduce the proportion of defective values from *15%* to *9%* (*67%* improvement) by the end of the second quarter (June 30, 2016), given the normality with constant variance assumption. That is equivalent to increase the five-day increase rate of the trading volume from *1.04%* to the *1.10%*.

## Project Team

Name	Role	Comments	Phone
Enqun Wang	Operation Analyst	Organize the project and assign the detailed work to team members	(720) 231 5851
Yiyen Zhou	Operation Analyst	Finish what the leader assigned and give advises	(970) 294 5303
Chee-Yong Tan	Operation executive officer	Adjust the strategies	

## Project Definition and Scoping

### Metrics (unit of measure):

- The percentage (%) of defective values (five-day increase rate of trading volume less than 0.83%).

### Critical to Satisfaction (linkage to customer):

Individual investors and companies with financing needs are two major types of our clients. A relatively high proportion of defective values (five-day increase rate of trading volume less than 0.83%) can result in financial products of higher prices, therefore individual investors would earn less money and customer companies looking for finance would spend more money. Furthermore, it might lead to a reduction in benefit of the internet finance company.

### Defect Definition (include opportunity):

Any five-day increase rate less than 0.83% is regarded as a defective value, which can result in financial products of higher prices, therefore individual investors would earn less money and customer companies would spend more money. Furthermore, it might lead to a reduction in benefit of the internet finance company. We assume that the criteria value (0.83%) is a constant in the scope of our project.

**Scope of Project:**

The project focuses on the first two quarters of 2016, from January 1, 2016 to June 30, 2016. The data is collected at April 20, 2016 from the database of the company, thus we scope this project from January 1 to April 20.