

Loan Characteristics

2013

2020

☐ 36 months
 ☐ 60 months

General		
Number of Loans	Average Loan (\$)	Interest Rate
1.77M	14.70K	13.18%

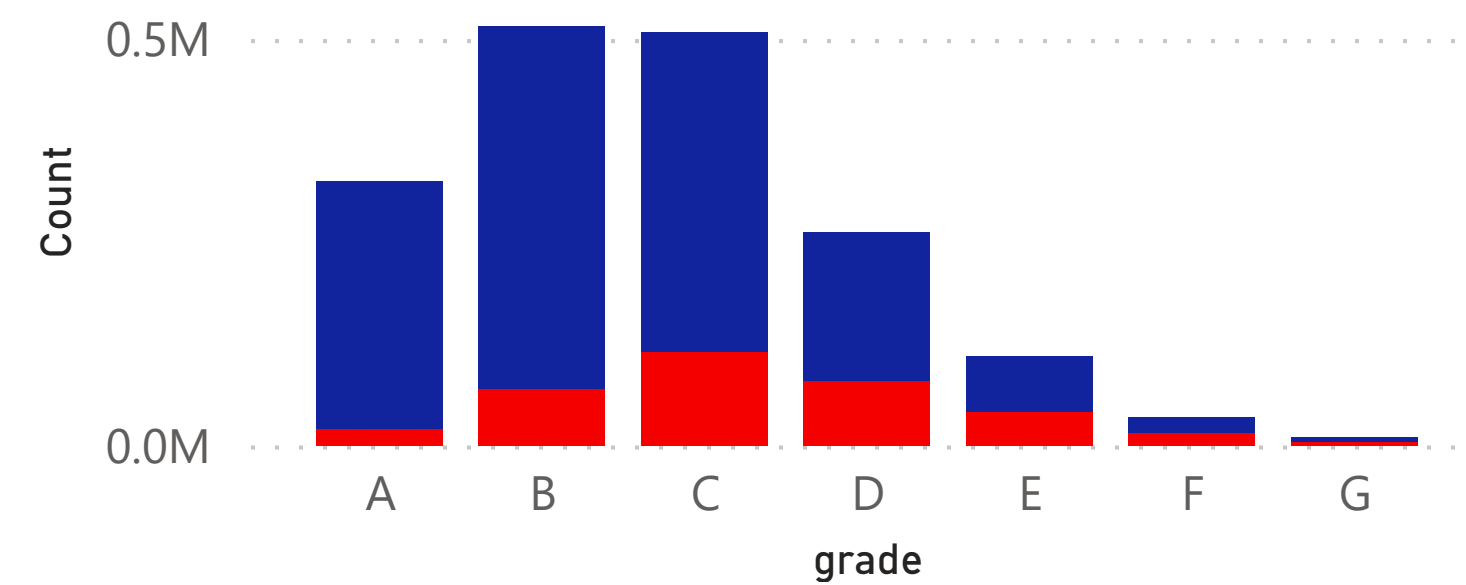
Good Loans	
ROI	IRR
13.67%	1.37%

Bad Loans	
ROI	IRR
-38.13%	-14.23%

Loan Grade Assigned By LendingClub

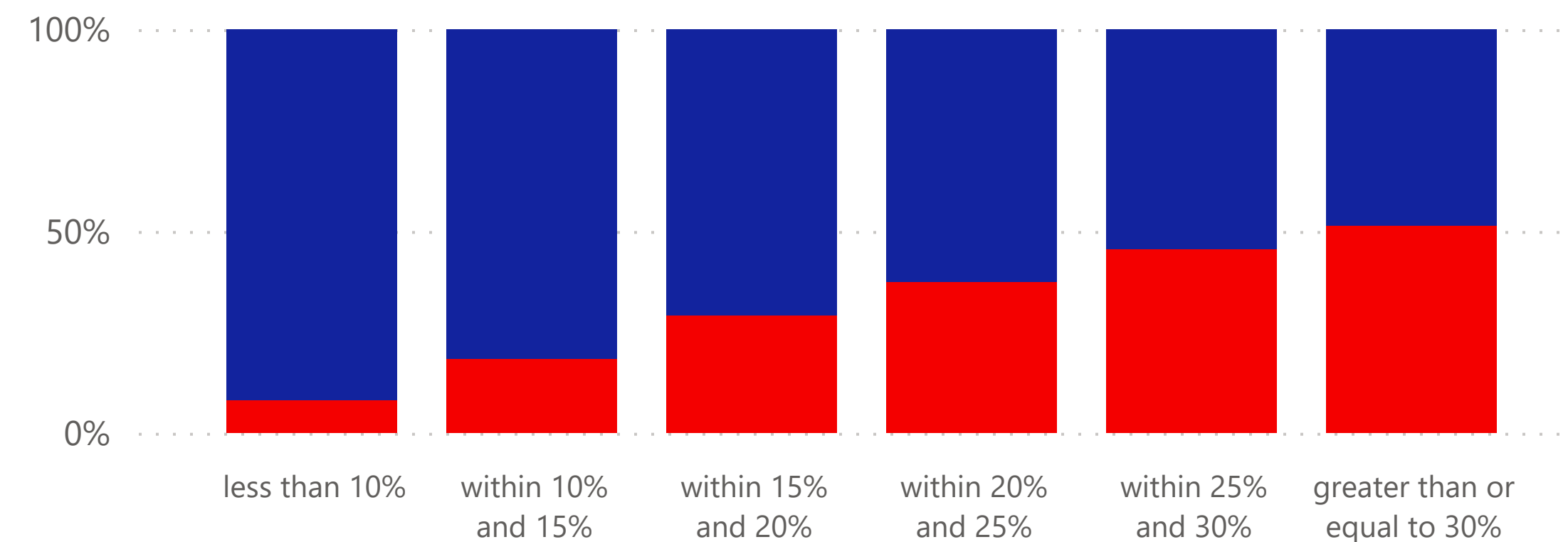
All

● Charged Off
 ● Fully Paid

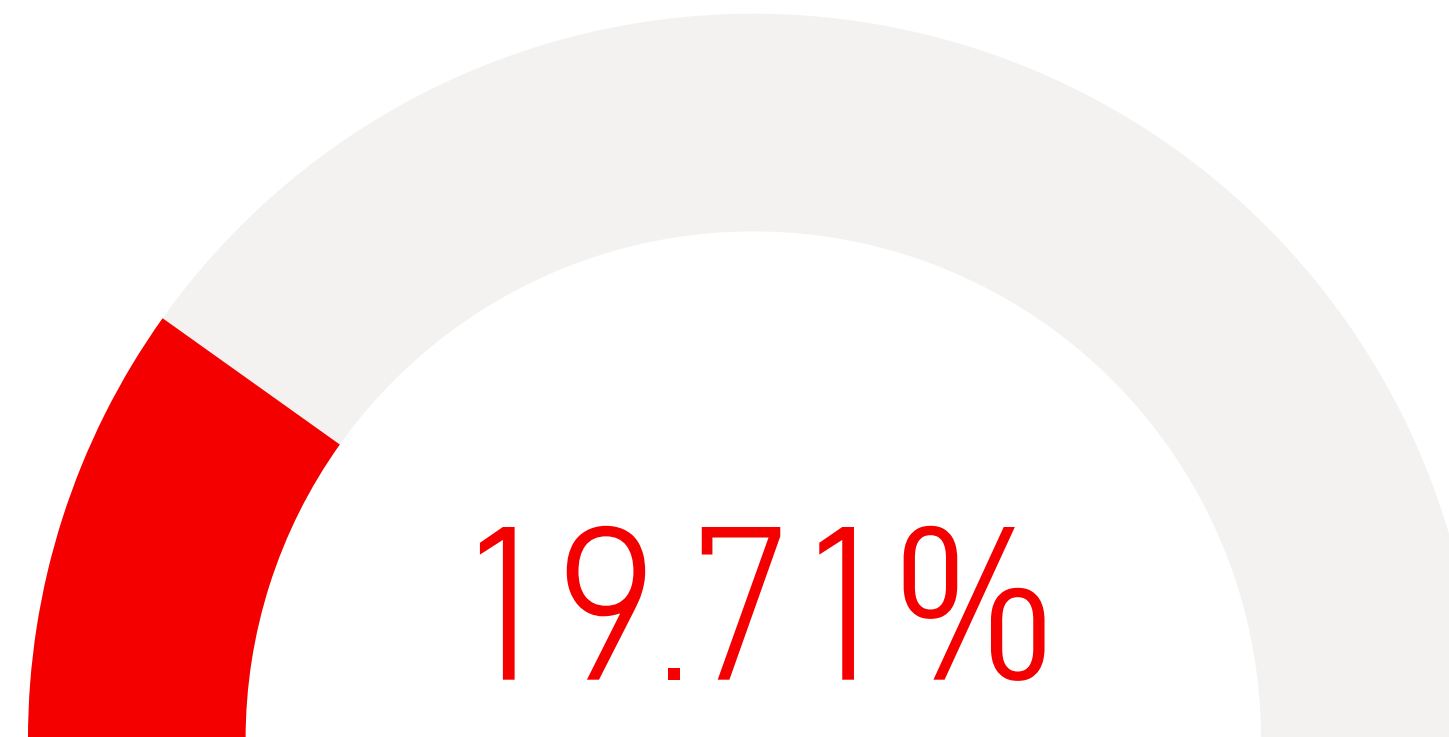


Interest Rate

● Charged Off
 ● Fully Paid



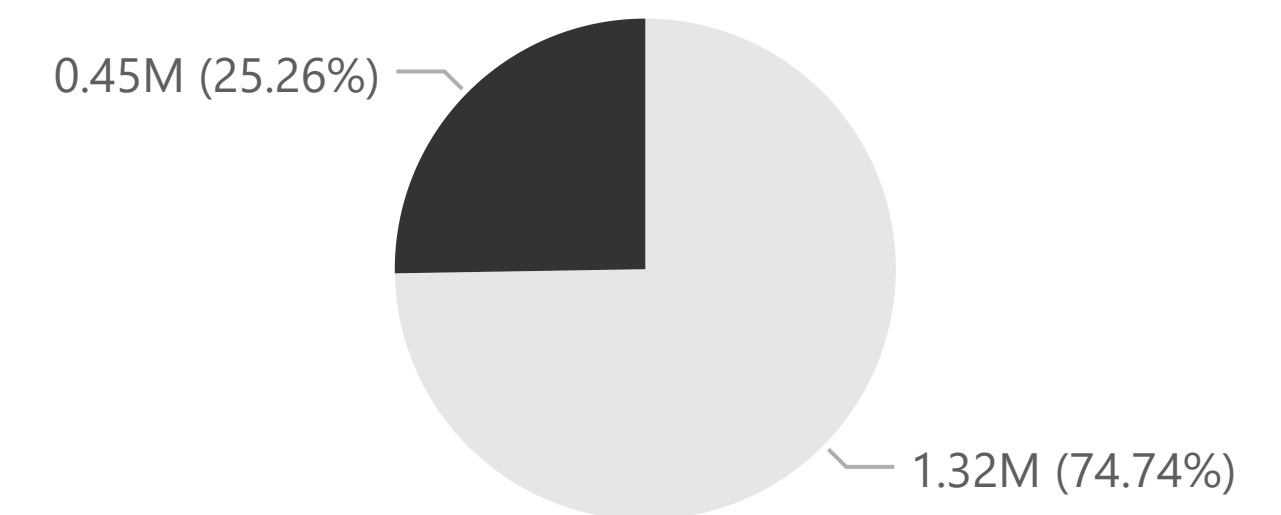
Default Rate



All

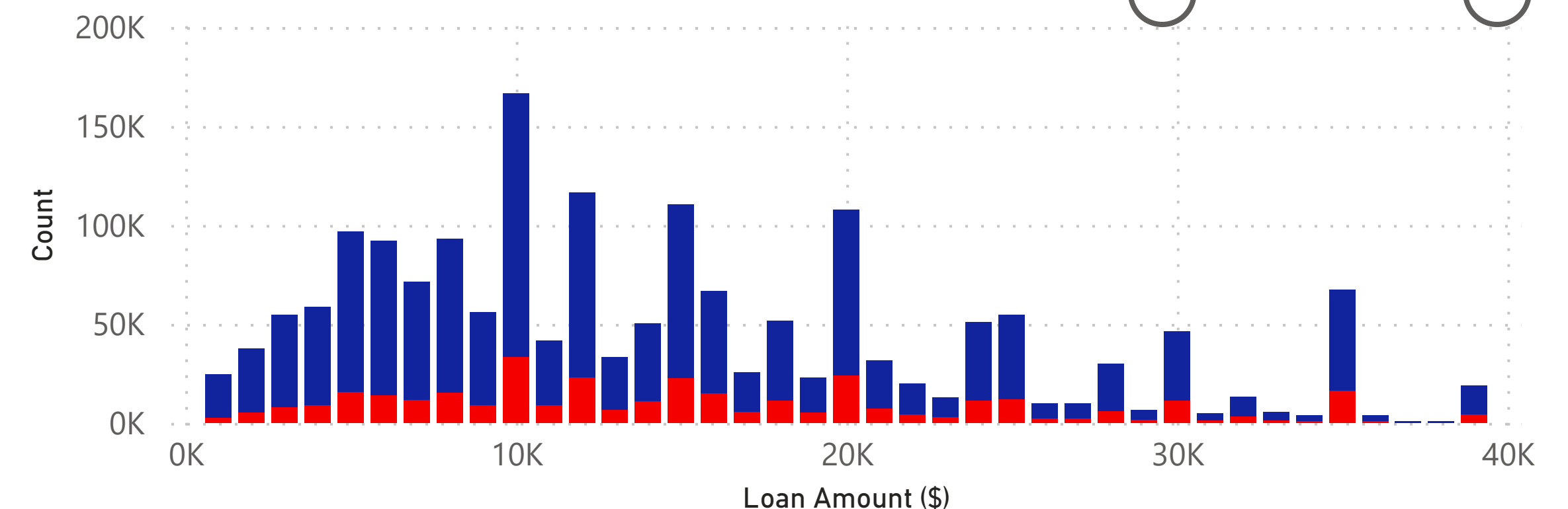
Loan Term

☐ 36 months
 ☒ 60 months



Loan Amount (\$)

● Charged Off
 ● Fully Paid

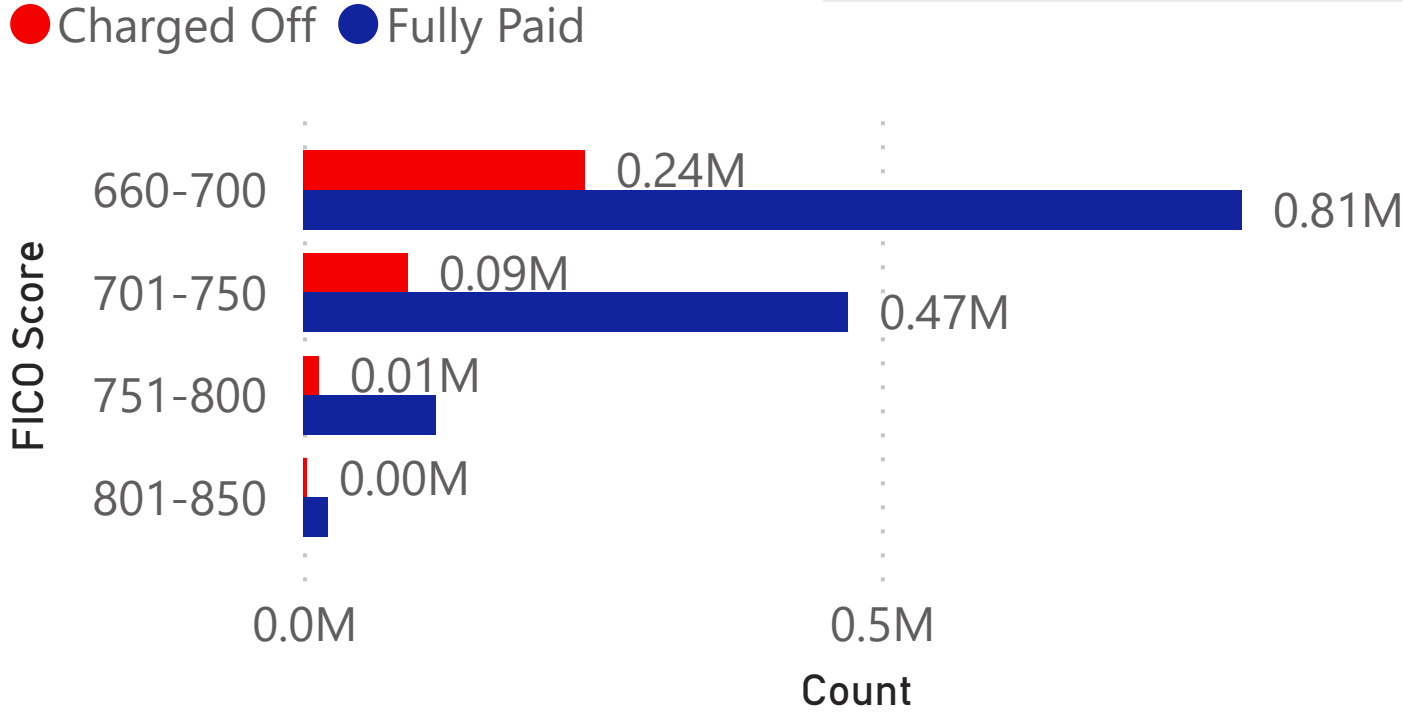


Borrower Characteristics

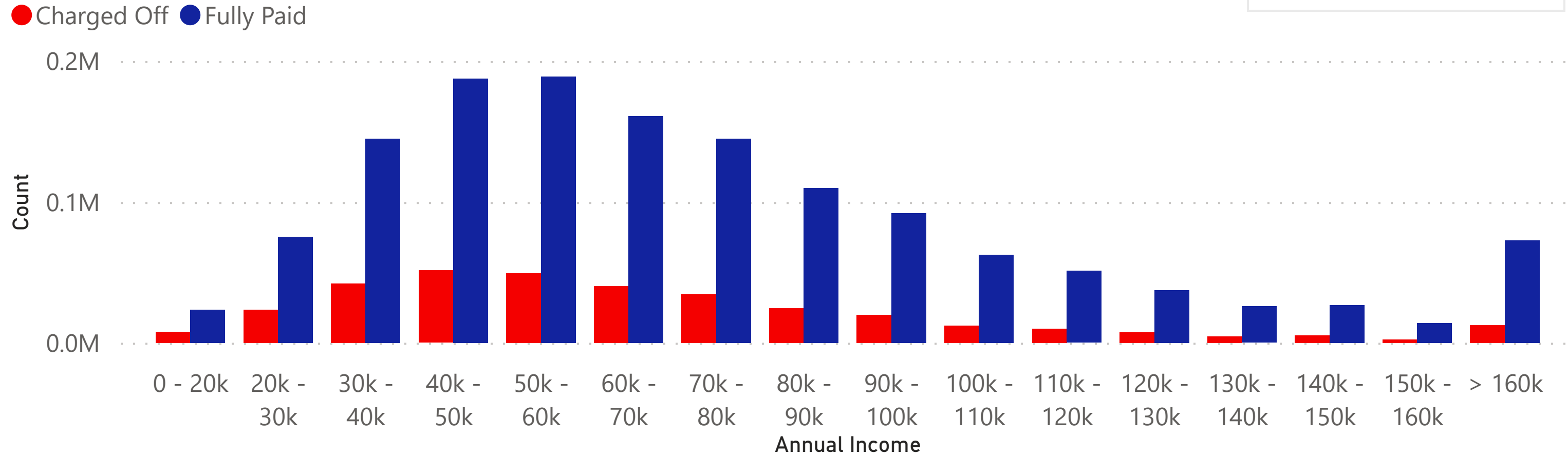
General		
Number of Loans	Average Loan (\$)	Interest Rate
1.77M	14.70K	13.18%

FICO Score

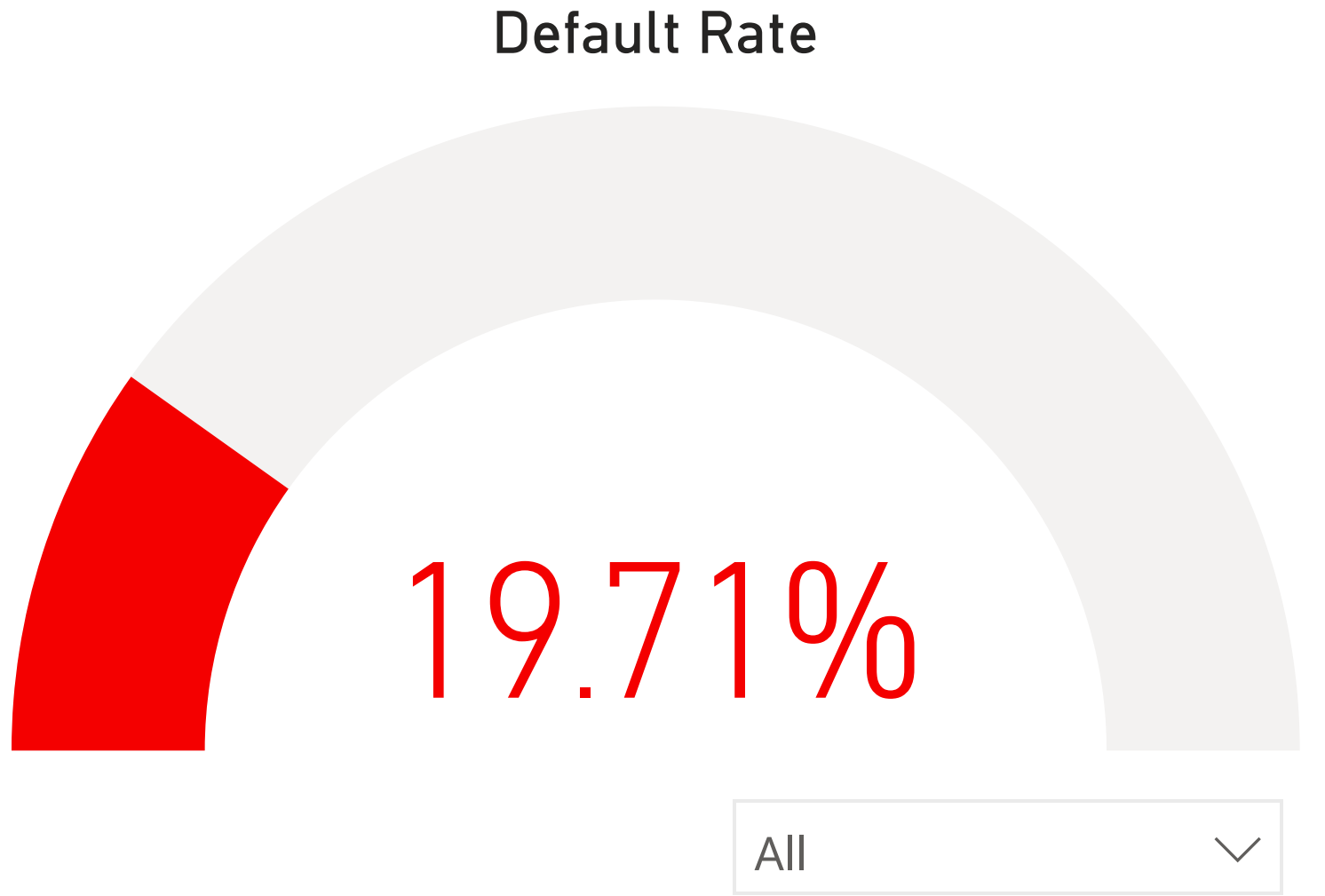
All



Annual Income (\$)



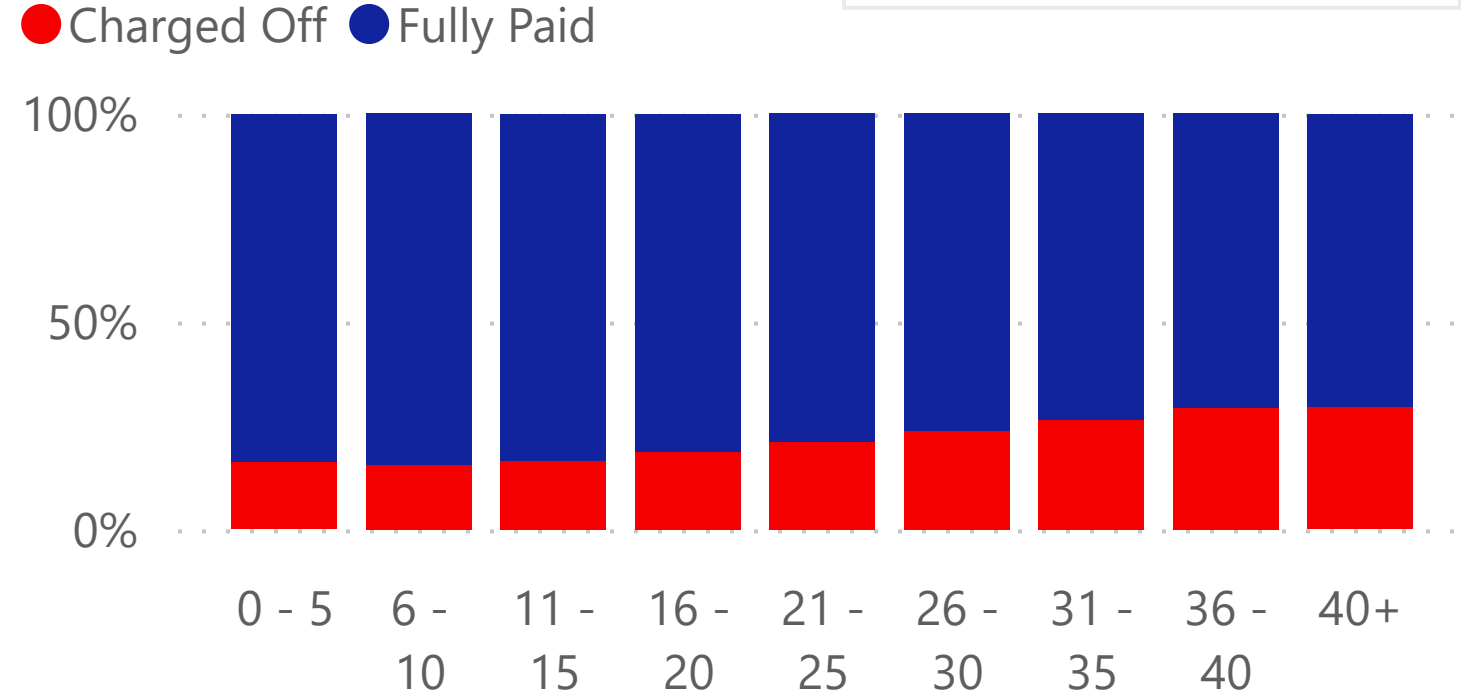
Good Loans	
ROI	IRR
13.67%	1.37%



Bad Loans	
ROI	IRR
-38.13%	-14.23%

Debt-to-Income Ratio

All



Income Verifiable

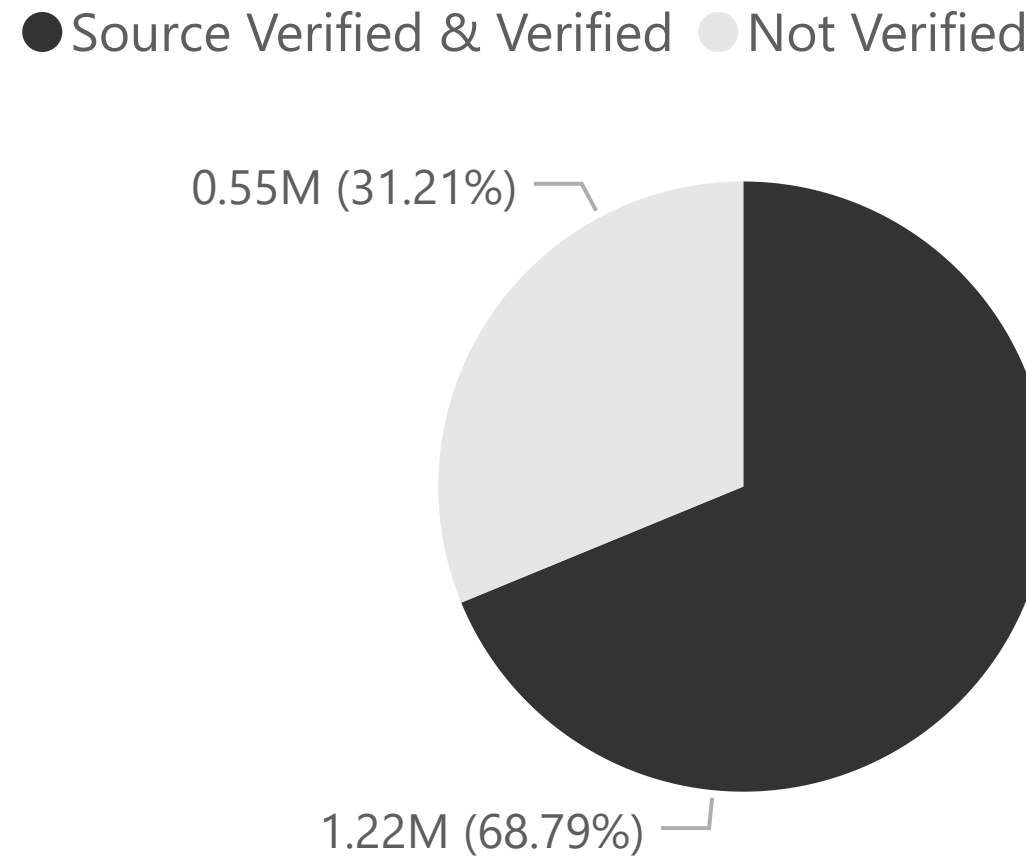


Table A. Loan Characteristics

	Charged Off	Fully Paid	Total
Count of Loan Status	348234	1418944	1767178
Average of ROI	-38.13%	13.67%	3.46%
Average of IRR	-14.23%	1.37%	-1.70%
Average of Loan Amount (\$)	15,989.86	14,380.79	14,697.87
Average of Installment (\$)	475.53	435.53	443.41
Average of Interest Rate	15.69%	12.57%	13.18%
Loan Term			
Count of Term 36 Months	208562	1112171	1320733
Count of Term 60 Months	139672	306773	446445
Loan Grade by LC			
grade A	6.02%	21.45%	18.41%
grade B	20.11%	31.43%	29.20%
grade C	32.89%	27.74%	28.75%
grade D	22.94%	12.86%	14.85%
grade E	12.09%	4.82%	6.25%
grade F	4.50%	1.34%	1.97%
grade G	1.44%	0.36%	0.57%

Table B. Borrower Characteristics

	Charged Off	Fully Paid	Total
Average of Annual Income (\$)	72,348.42	79,124.80	77,789.47
Income Verifiable	75.79%	67.07%	68.79%
Average of Debt-to-Income Ratio	20.43%	18.33%	18.74%
Is Home Owner	11.54%	11.14%	11.22%
FICO Score			
FICO Score 660-700	69.86%	57.21%	59.70%
FICO Score 701-750	25.91%	33.21%	31.77%
FICO Score 751-800	3.74%	8.09%	7.23%
FICO Score 801-850	0.49%	1.49%	1.30%
Average of Inquiries within 6 Months	0.72	0.57	0.60
Average of Utilization Rate	58.88%	56.82%	57.23%
Average of Num of Accounts Opened within 12 Months	2.46	2.08	2.16
Average of Percentage of Bankcard Acc > 75% Limit	46.69%	41.78%	42.75%
Average of Revolving Balance (\$)	15,312.64	16,649.83	16,386.33
Average of Total Credit Balance Excluding Mortgage Acc (\$)	49,814.02	50,970.32	50,742.46
Average of Total Current Balance of All Accounts (\$)	120,374.48	148,015.37	142,568.56
Average of Total Revolving Credit Limit (\$)	30,002.53	34,860.50	33,903.21

Remarks:

1. Data Source: [Lending Club 2007-2020Q3 \(kaggle.com\)](#) which contains 2.9m rows and 141 columns of data with more than 25% of missing values. The missing values were imputed by its mean, zero or mode based on their characteristics. Some columns were imputed by turning into binary variables, e.g. `months since delinquent`, it has missing values as some borrowers had never been delinquent.
2. The dataset consists of loan data from 2013 - 2020. As LendingClub kept increasing the number of columns over the years, the data before 2013 was excluded as I wanted to keep more "newly added" columns.
3. Depreciation rate of 2% p.a. was used in the calculation of the ROI.

