

Data Visualization Assignment 4 – Dashboard

Lending Club Loan Analytics

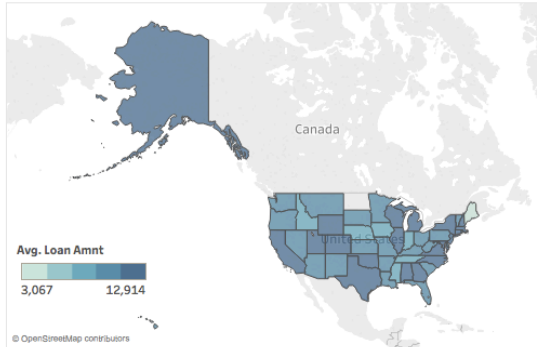
An anonymized sample of over 420000 loans initiated on the Lending Club database.

Loan Amount Map

Select a State to filter the other chart

Choose a State

(All)



Loan Amount by Purpose

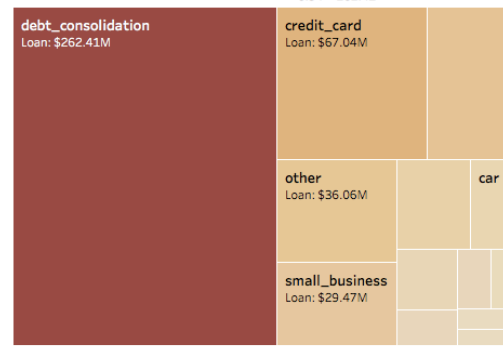
Select a Purpose to filter the other chart

Loan Amount

0.94 262.41

Choose a Purpose

(All)

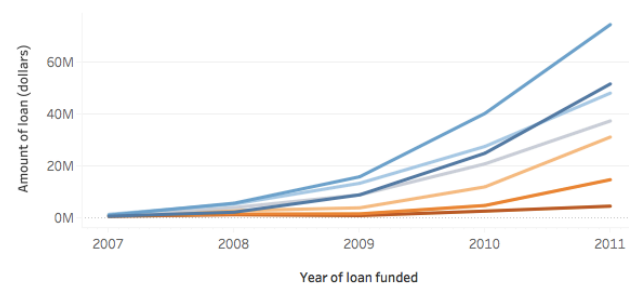


Loan Amount by Loan Grade

Select a point to filter the other chart

Loan Grade

A B C D E F G



State Details

State	Avg Annual Income (\$)	Avg Total Account	Avg Inquiries in Last 6 Mths	Avg Credit Revolving Balance (\$)
AK	78,902	22	1	17,062
AL	63,276	24	1	12,770
AR	59,946	24	1	10,865
AZ	67,800	22	1	15,004
CA	72,221	21	1	14,919
CO	66,824	22	1	13,888
CT	75,707	23	1	15,703
DC	77,794	21	1	16,344
DE	69,437	24	2	20,116
FL	64,790	21	1	13,946
GA	69,256	23	1	16,379

Lending Club Loan Analytics

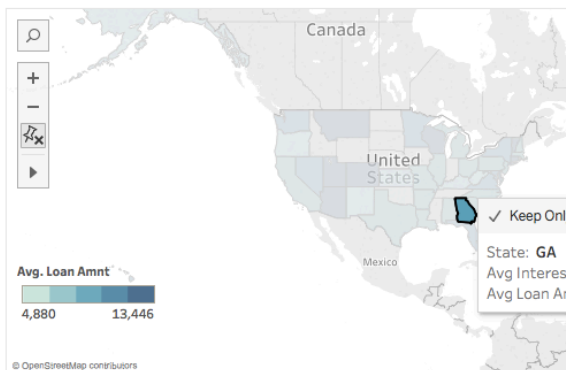
An anonymized sample of over 420000 loans initiated on the Lending Club database.

Loan Amount Map

Select a State to filter the other chart

Choose a State

(All)



Loan Amount by Purpose

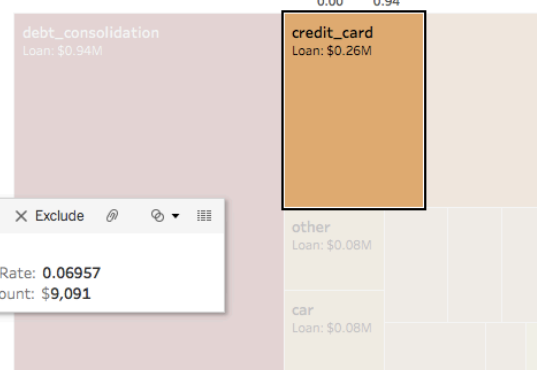
Select a Purpose to filter the other chart

Loan Amount

0.00 0.94

Choose a Purpose

(All)

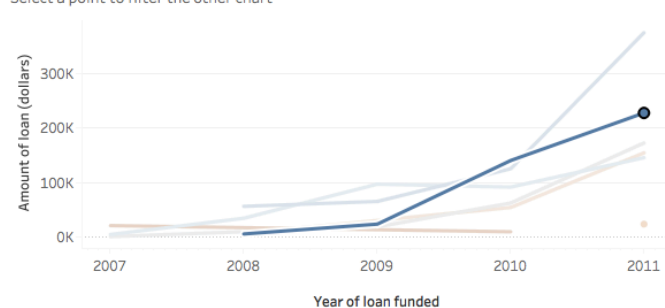


Loan Amount by Loan Grade

Select a point to filter the other chart

Loan Grade

A B C D E F G



State Details

State	Avg Annual Income (\$)	Avg Total Account	Avg Inquiries in Last 6 Mths	Avg Credit Revolving Balance (\$)
GA	62,776	26	0	18,670

About Dashboard

The dashboard was created based on the Lending Club Loan Database. The main idea for this dashboard is for users to get details about lending club loan based on 3 main categories: State, Purpose of loan and Loan grade. It would be especially helpful for users who would like to have an overview on loan lending based on State. My interactive dashboard consists of 4 graphs: a map, a tree map, a line chart and a table. The upper left map shows the average amount of loan by State. By clicking a specific state on map or using the 'Choose a state' button, users can filter and get information from all four graphs. The upper right treemap shows the sum amount of loan by the purpose of loan. Users can click a specific purpose on treemap or using the 'Choose a purpose' to filter purpose and get more details. The lower left line chart shows the amount of loans by 7 Loan grades in different years. The lower right table provides more details about each state.

About Design

The main interactive design for this dashboard is filters. Users are able to get information from all 4 graphs by adding on clicking around the dashboard (filter can be added up). In this way, both the overview and specific details can be retrieved from the dashboard. I added dropdown filters on the map and treemap so users can find the specific state or purpose of loan they are looking for faster. The main colors of the dashboard are dark red and blue. Using two different colors make the dashboard more clear and easy to understand. For the layout, I intentionally put the map on the upper left since it would be the first graph users can start with (The main idea is to show the lending loan information base on State). As users interactive with the dashboard further, they can get more details (Map -> Treemap -> Line chart -> table).