

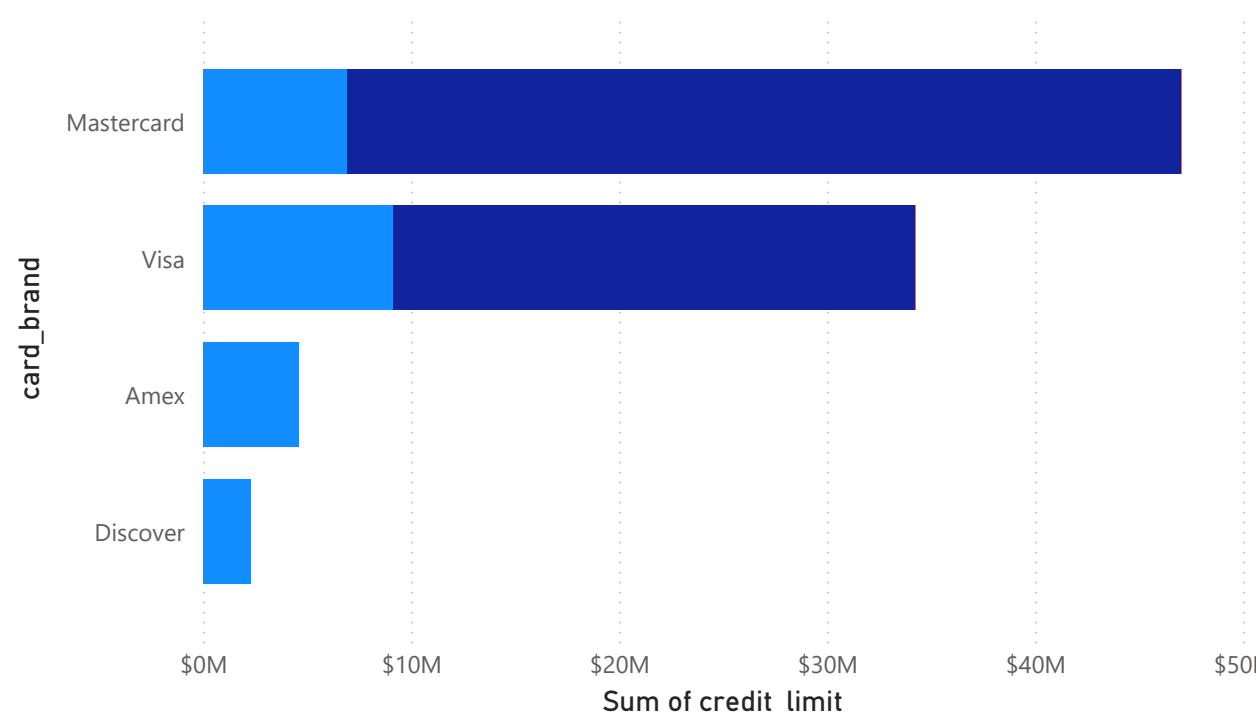
Topic: Advanced Charting Techniques

Prerequisites: Download Card_data.csv file and disable Auto DateTime options by Options in Current File and create new DATE table by using Calendarauto and Format functions.

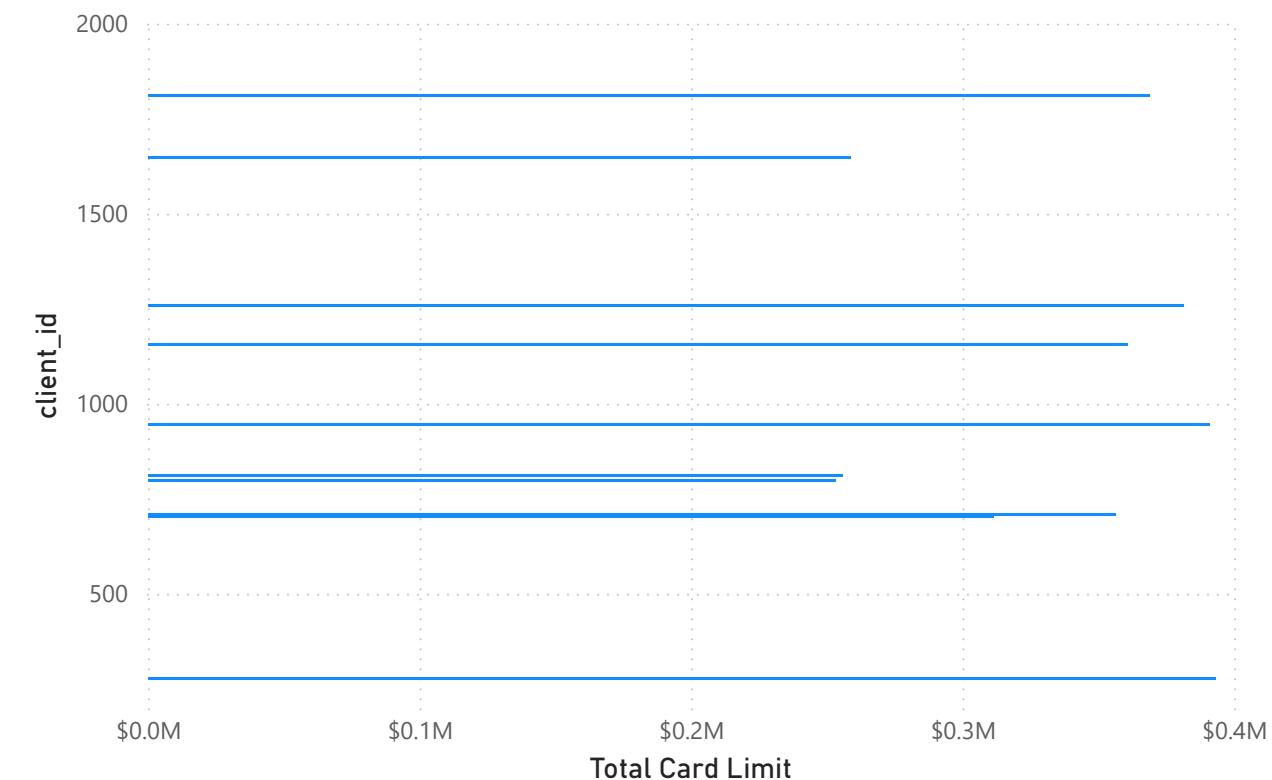
- Total Card Limit by Card Brand and Card Type (Stacked Column Chart)
 - X-axis: card_brand (e.g., Visa, Mastercard, Amex)
 - Y-axis: Sum of card_limit
 - Legend: card_type (e.g., Credit, Debit, Prepaid)
 - Tooltip: client_id count (i.e., number of clients using this brand/type combo)
 - Drill Down into Monthly Trends (Drill Down Feature)
 - Create a drill-down chart for analyzing card issues by time:
 - Hierarchy: Year → Month (from account_opened_date)
 - Values: Count of card_number
 - Chart type: Stacked Column Chart
 - Enable drill down/up to move between years and months.
 - Top 10 Clients by Total Card Limit (Bar Chart)
 - Axis: client_id
 - Value: Total card_limit
 - Filter: Top 10 clients
 - Sort: Descending by total card limit
 - Use a bar chart to clearly show top clients.
 - Client Drill-through Details
 - Create a drill-through page showing all card details (e.g., card_type, card_brand, limit) for a selected client_id when a user clicks from any chart.
 - Add filters like card_type or expire_dates (Year).
 - Heatmap-style Matrix of Expiry Trends
 - Rows: card_brand
 - Columns: Year of expire_dates
 - Values: Count of cards expiring
 - Format as a matrix with conditional formatting to highlight peaks (red for more expiries).
1. Create a dynamic slicer which will give options to select or to enter number and bar chart or column chart need to show only Top N (N should be selected by user in dynamic slicer) Card Brands according to their card limit (column chart)

Sum of credit_limit and Count of client_id by card_brand and card_type

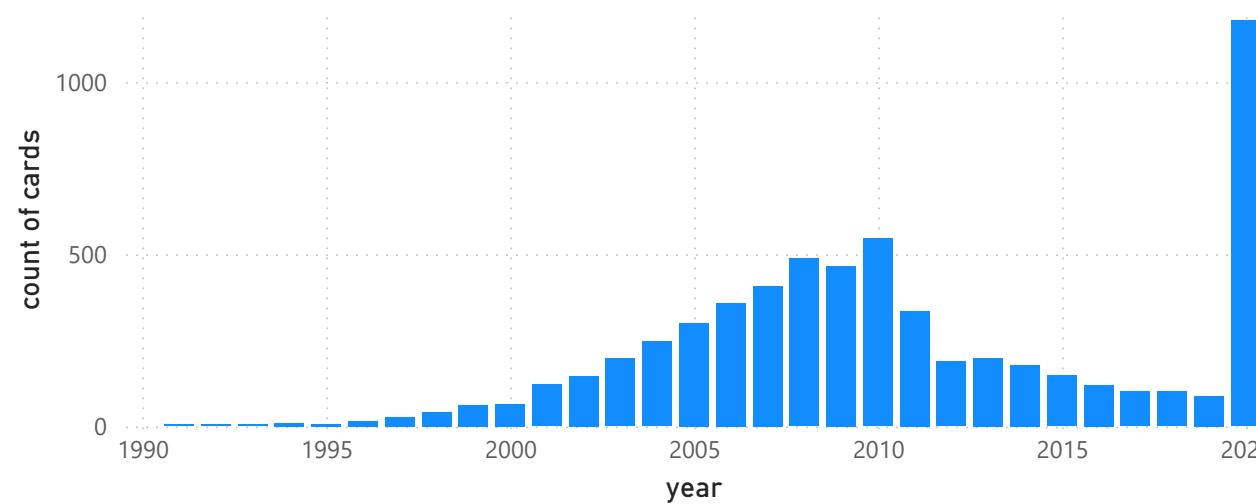
card_type ● Credit ● Debit ● Debit (Prepaid)



Total Card Limit by client_id



count of cards by year

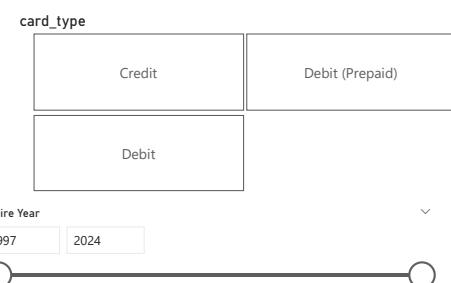
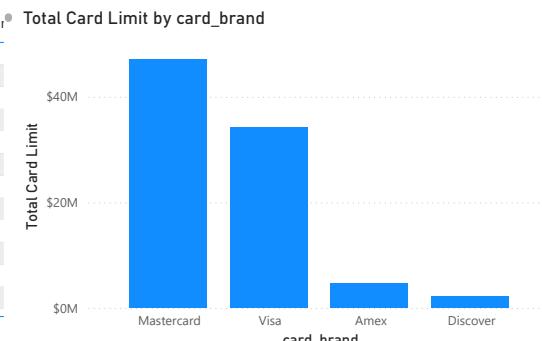




Total Card Limit by card_brand

card_number	card_type	card_brand
300105541992311	Credit	Amex
300609782832003	Credit	Amex
300717031458937	Credit	Amex
302014253634948	Credit	Amex
302031764623099	Credit	Amex
302128691810206	Credit	Amex
302324154583308	Credit	Amex
302701760602871	Credit	Amex
302737588175602	Credit	Amex
30298223076555	Credit	Amex
303084720106463	Credit	Amex
303388287085492	Credit	Amex

Total



card_brand 1997 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013

Amex	1	1		2		2		2		1	8	5	2	9	6
Discover			2	2	1	1	3	6	4	19	17	20	29	30	36
Mastercard	2	2	1	1	1	3	6	4	19	17	20	29	30	36	35
Visa	1	1	1	1	4	7	2	4	9	15	16	21	21	22	35
Total	3	4	2	2	7	9	8	11	28	36	39	62	62	64	97

Value

All

8.53

Average Days Between Sales

