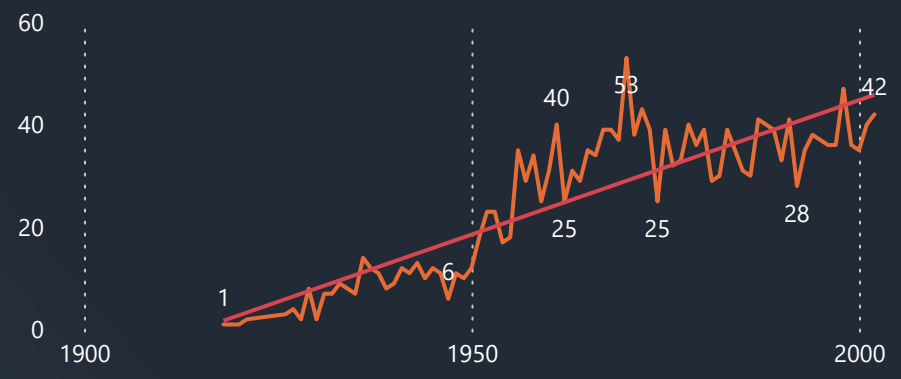
User Exploratory Data

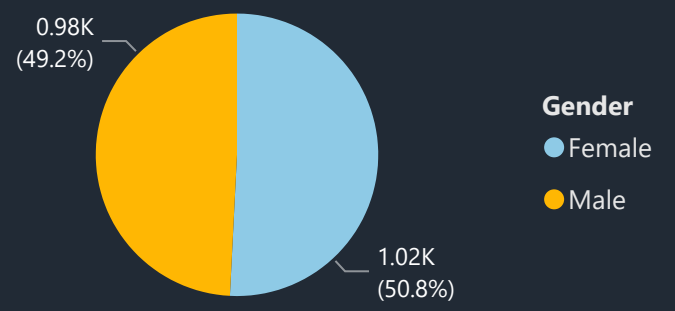
Female | Male

2000	45	66	63.71K	45.72K
Users	Avg Current Ages	Avg Retire Ages	Average Total Debt	Yearly Income - Person

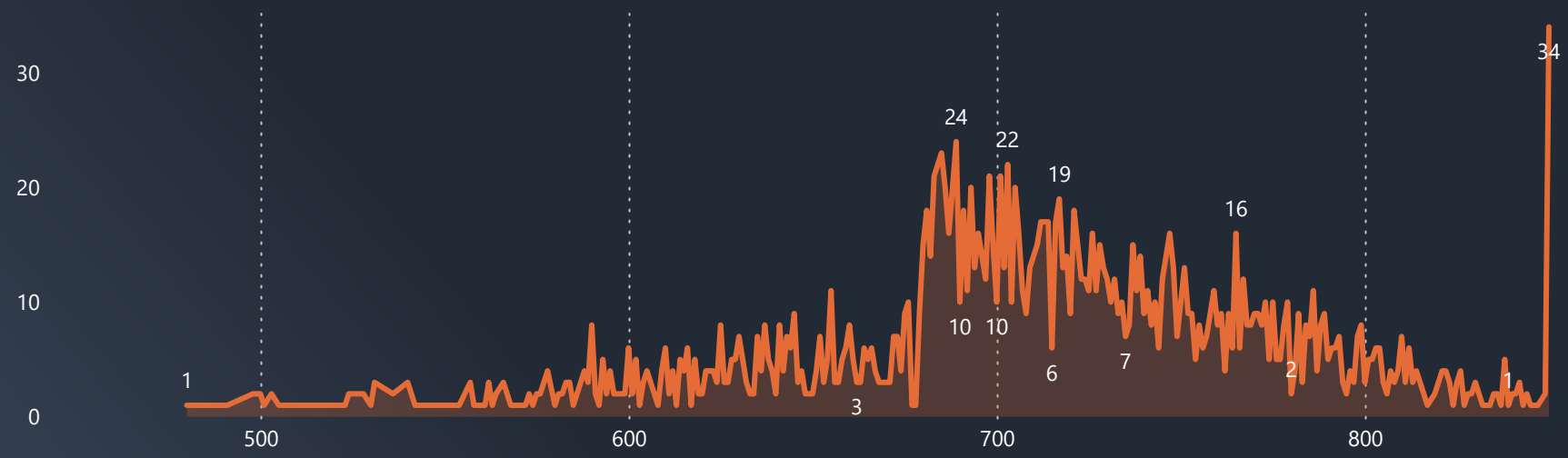
Users by Birth Year



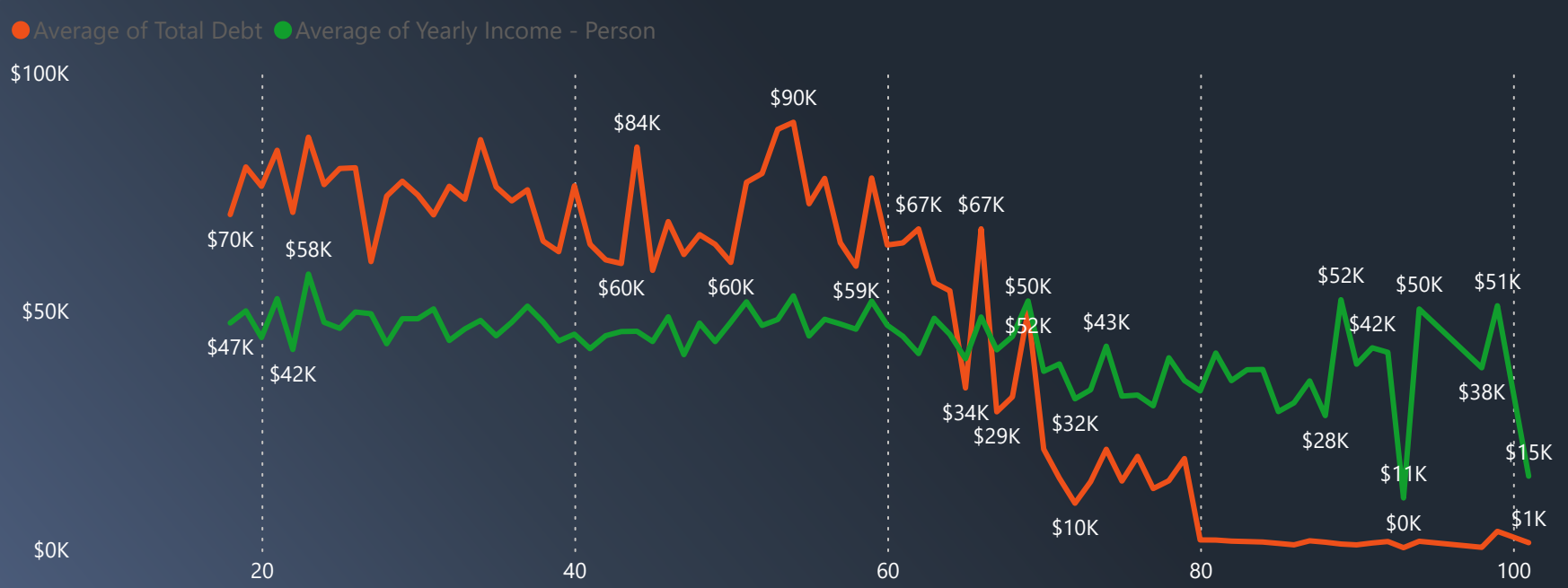
Count of User by Gender



FICO Score by User Count



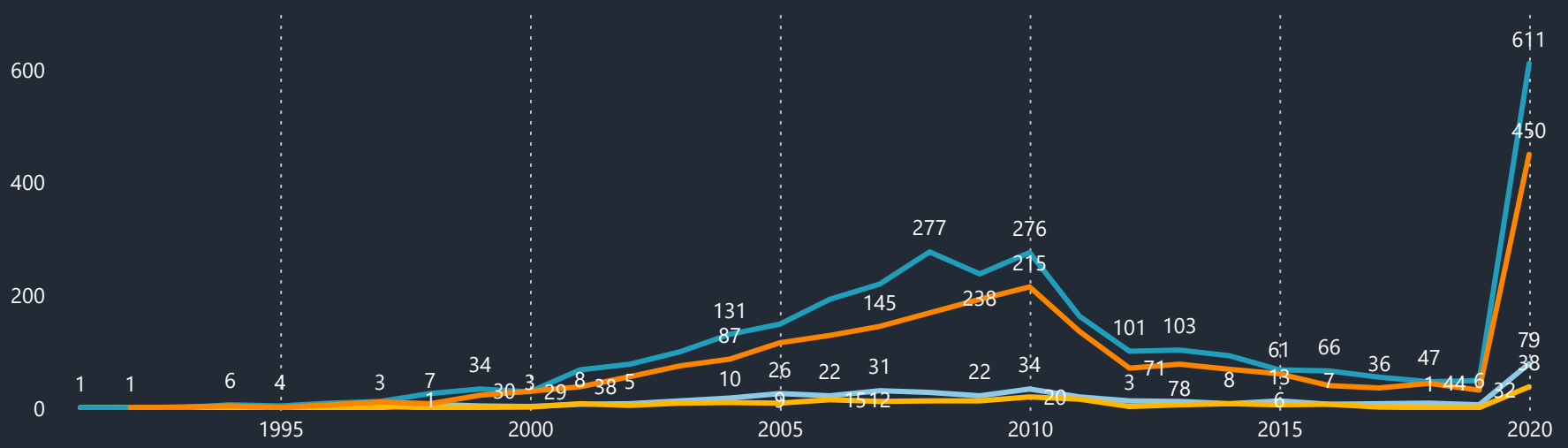
Average of Total Debt and Average of Yearly Income - Person by Current Age



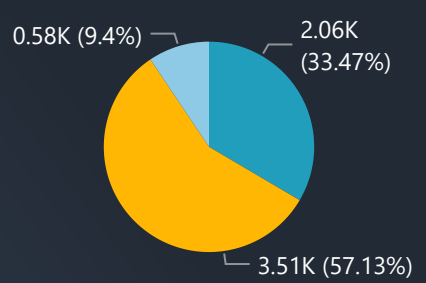
Transaction Data Exploratory

Has Chip
- NO
- YES

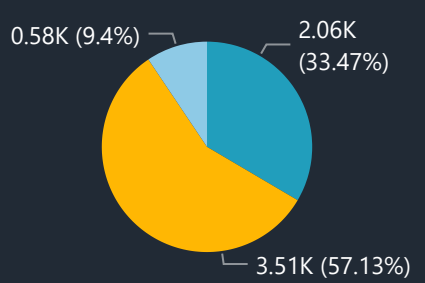
Cards by Open Date from Different Card Brand



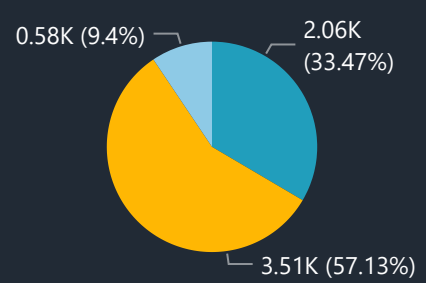
Mastercard by Types



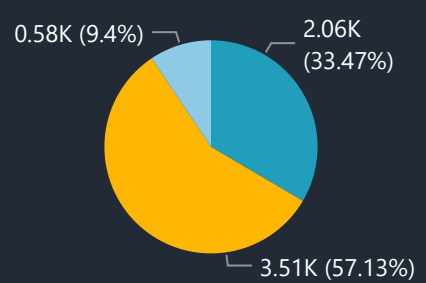
Visa by Types



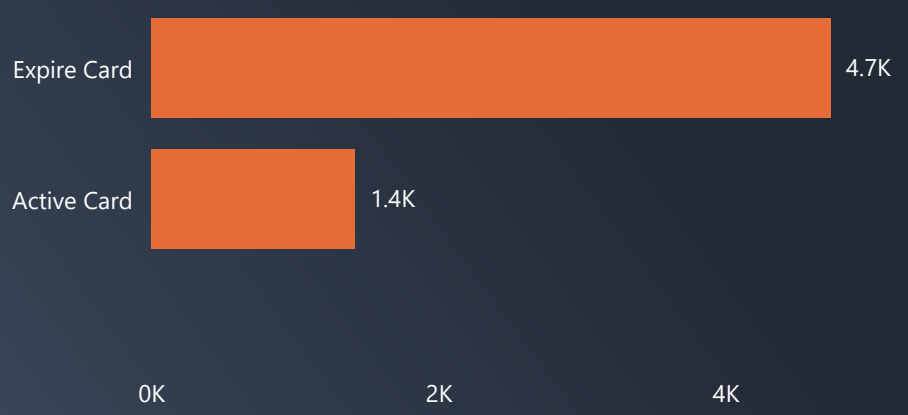
AMEX by Types



DISCOVER by Types

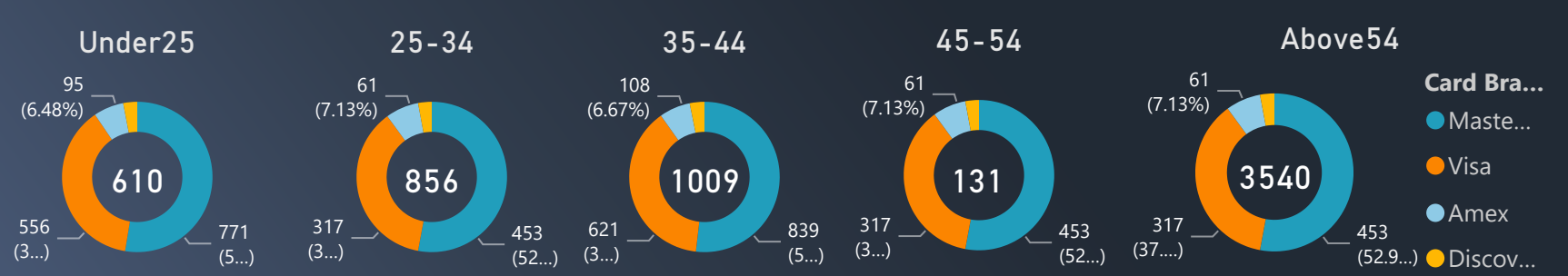


Active Cards by Active Card



User	Count Cards	Card Type	Active Card	Credit Limit
729	7	Debit	Expire Card	224116
425	6	Debit	Expire Card	81647
813	6	Debit	Expire Card	50291
1163	6	Debit	Expire Card	56006
1585	6	Debit	Active Card	158231
116	5	Debit	Expire Card	162786
271	5	Debit	Expire Card	111212
302	5	Debit	Expire Card	98228
511	5	Debit	Expire Card	124167
553	5	Debit	Expire Card	138757
615	5	Debit	Expire Card	44979
684	5	Debit	Expire Card	84815
841	5	Debit	Expire Card	95485
853	5	Debit	Expire Card	196131
938	5	Debit	Expire Card	112340

Card Amount by Card Brand for Different Age Groups

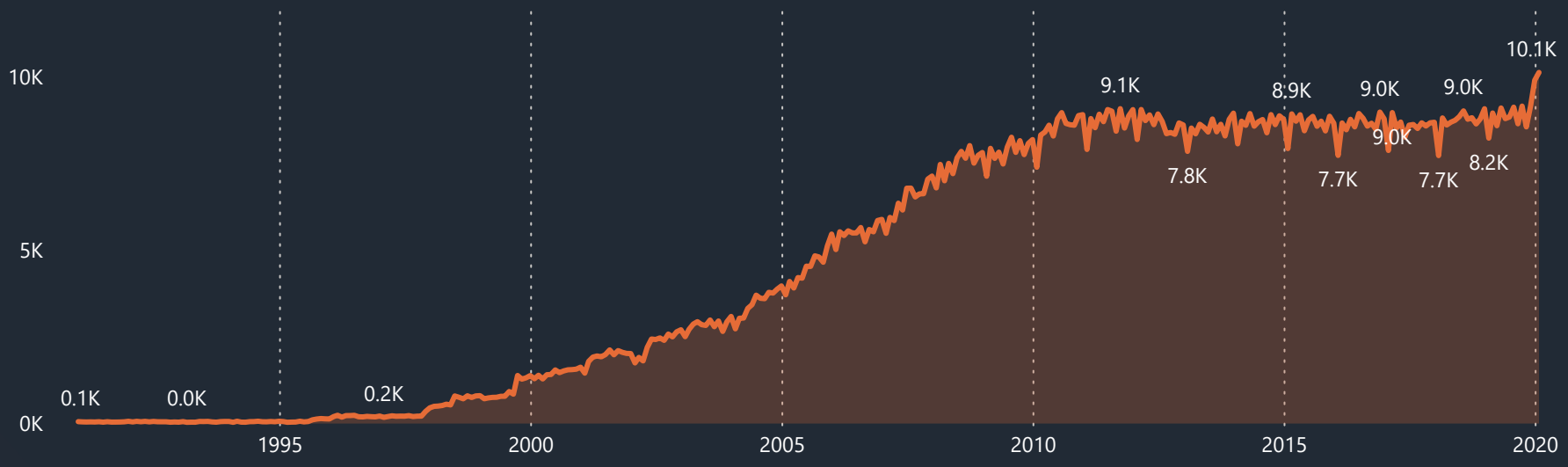


Transaction Data Exploratory

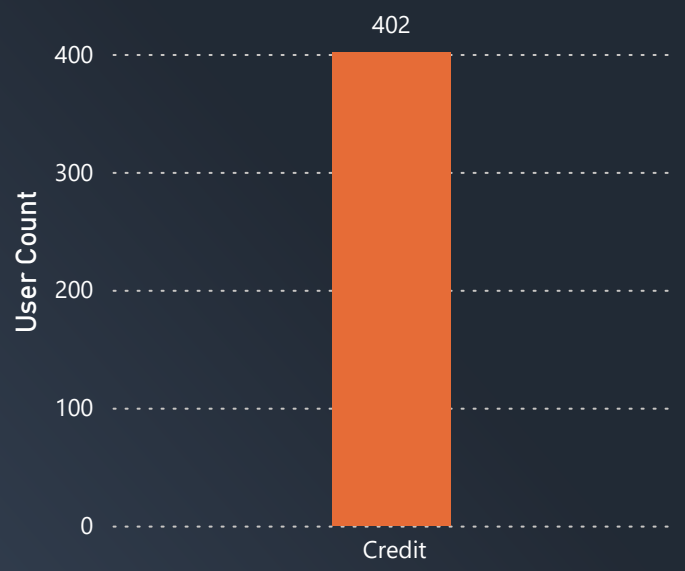
Amex | Discover | Mastercard | Visa

Credit

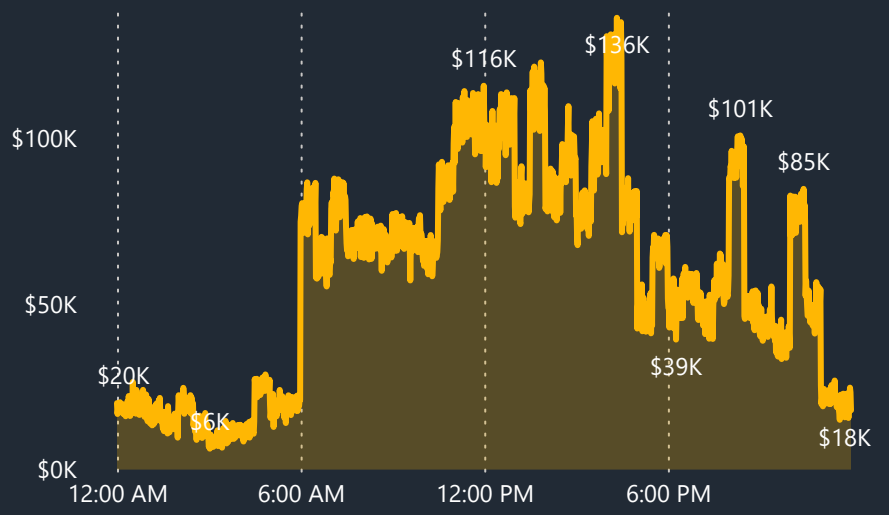
Transaction by Year and Month



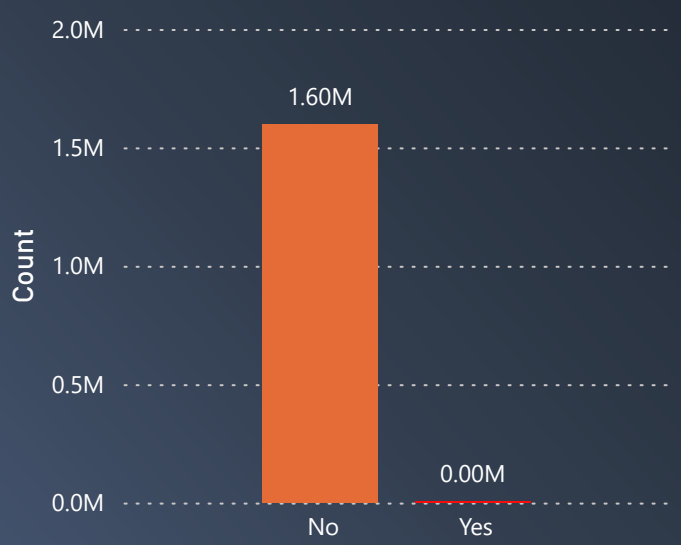
User Count by Card Type



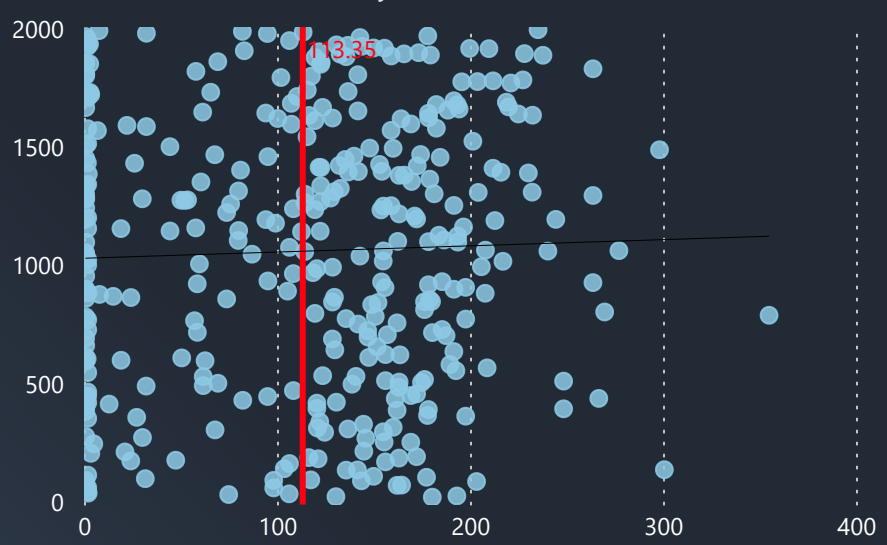
Sum of Amount by Time



Is Fraud?

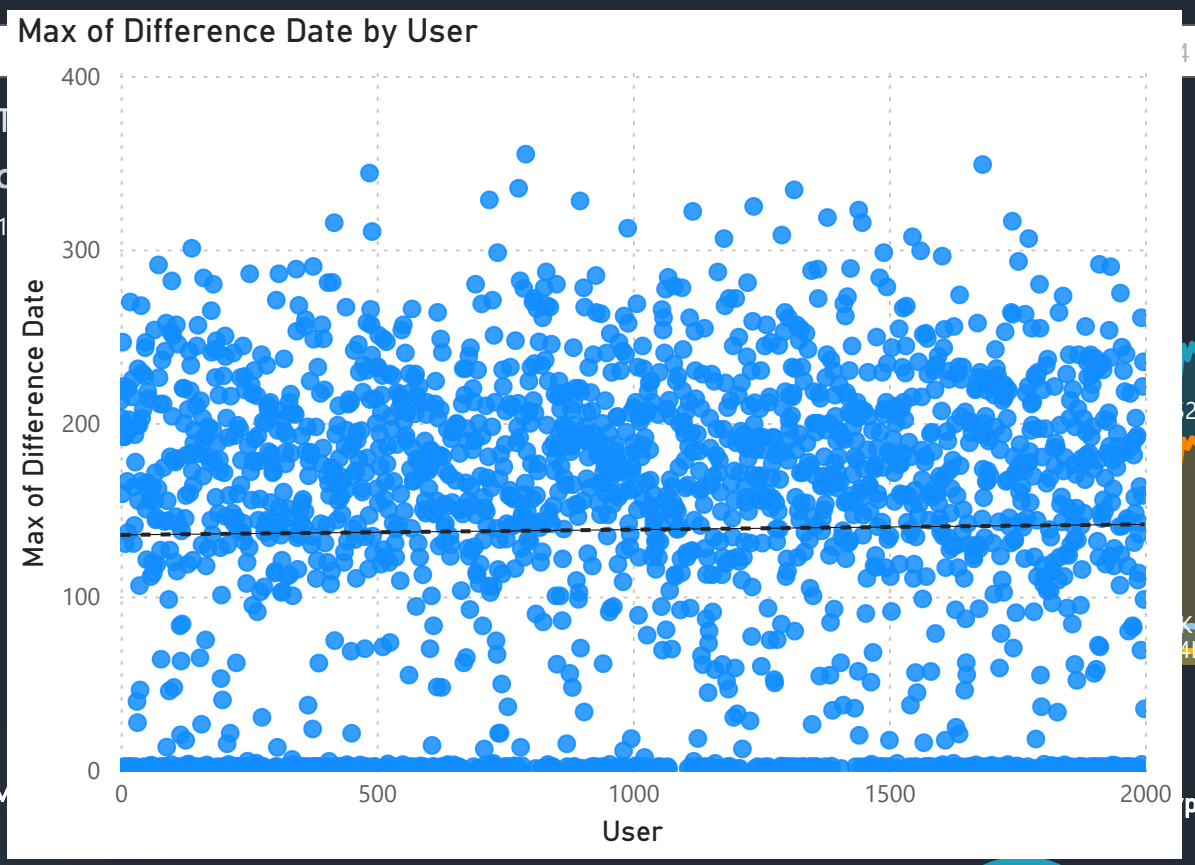


Max of Difference Date by User

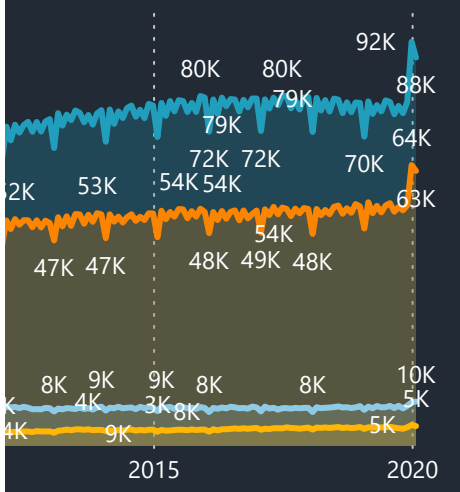


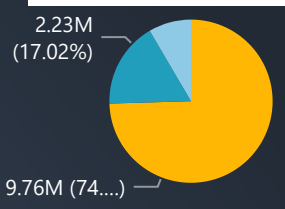
Customer Engagement Analysis

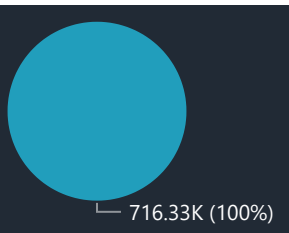
Compare between Mastercard, Amex, Discover, and Visa

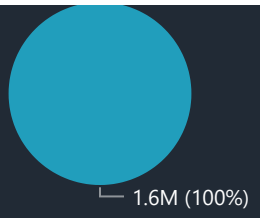


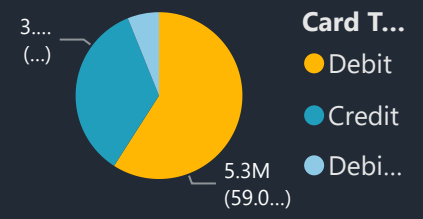
Under25





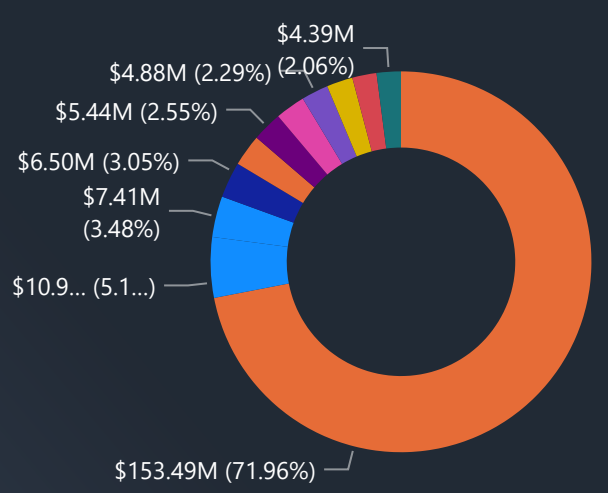




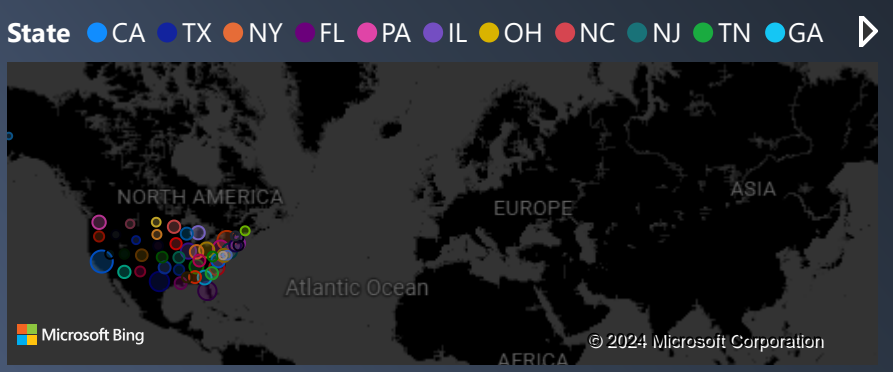


Merchant City	Transactions
ONLINE	2720821
Houston	246036
Los Angeles	180496
Miami	178653
Brooklyn	155425
Chicago	136165
Dallas	134824
Indianapolis	120896
Orlando	120772
San Antonio	116436

Sum of Amount by Merchant City



Sum of Amount by State and State



State	CARDs	Sum of Amount
CA	2961905	$129,909,524.12
TX	2021967	$88,339,060.49
NY	1660953	$81,019,802.52
FL	1737260	$74,502,923.81
PA	917399	$42,765,808.64
IL	952157	$40,897,752.24
OH	1059930	$39,073,737.24
NC	886634	$38,906,300.50