CREDIT CARD FRAUD TRANSACTION

Type of Card
2

- Visa
- MasterCard

46,2%

53,8%

Type of Transaction
3

- ATM
- POS
- Online

33,6%

33,3%

33%

Entry Mode
3

Bank
8

	Country of Transaction	Fraud ▾
1.	India	1.577
2.	USA	1.559
3.	China	1.510
4.	Russia	1.481
5.	United Kingdom	1.068

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→ Fraud counts seperately for features

	Coun...	Coun...	Merc...	Type ...	Type ...	Entry ...	Bank	Gender	Fraud ▾
1.	United ...	United ...	Children	Online	Visa	CVC	Barclays	M	34
2.	United ...	United ...	Electro...	Online	Visa	CVC	Barclays	M	23
3.	United ...	United ...	Children	Online	Visa	CVC	Barclays	F	21
4.	United ...	United ...	Children	POS	Visa	Tap	Barclays	M	20
5.	United ...	United ...	Fashion	Online	Visa	CVC	Barclays	M	16
6.	United ...	United ...	Children	Online	Master...	CVC	Barclays	M	15
7.	United ...	United ...	Children	Online	Master...	CVC	...	M	14

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→ Output of fraud numbers when features are together

Tümü

United Kingdom	USA
	China
Russia	India

Treemap of countries where credit card transactions take place

Time / Fraud										
Day of Week	2	3	6	0	5	1	4	13	17	22	21
Tuesday	283	272	276	262	266	257	245	166	107	120	113
Wednesday	253	259	239	247	223	227	229	163	123	108	103
Thursday	-	-	-	-	-	-	-	0	-	-	-
Friday	-	-	-	-	-	-	-	0	-	-	-

Hours of the day of week when fraud occurs
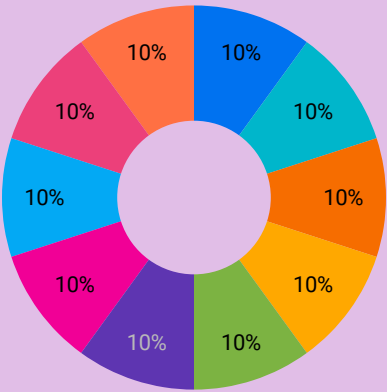
- Restaurant
- Children
- Fashion
- Food
- Subscription
- Gaming
- Products
- Electronics
- Diğer

Merchant Group

10
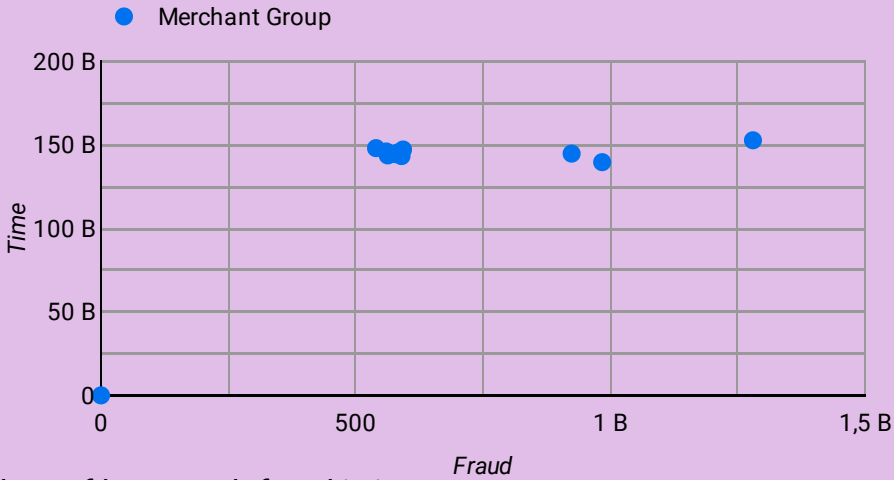
Merchant group distribution and scatter chart of how much fraud is in which merchant group, type of card, gender, bank, type of transaction

	Country of Tr...	Country of Residence	Fraud ▾
1.	India	United Kingdom	1.544
2.	USA	United Kingdom	1.529
3.	China	United Kingdom	1.478
4.	Russia	United Kingdom	1.450
5.	United Kingdom	United Kingdom	1.068
6.	India	India	33
7.	China	China	32
8.	Russia	Russia	31

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Inference: Fraud is more common in different countries of transaction and residence.

Fraud   30 · ● ⬤   7.069

30 � 7.069
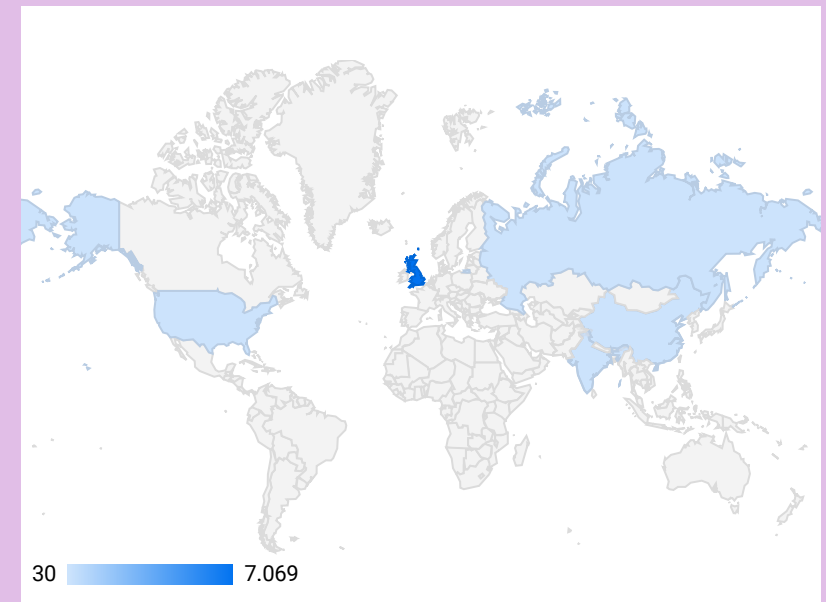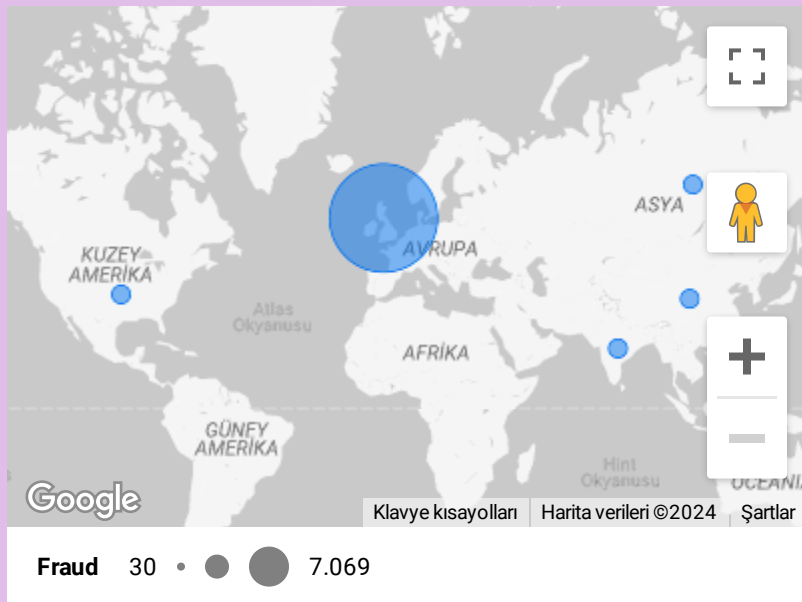
Display of countries (country of residence) on the map according to fraud density.