

Credit Card Transactions

**DataEngineering
Project**

DATA UNDERSTANDING

There is only one table

credit_card_transcations: contains information about creditcard usage

This is just as small part of table

transaction_id	city	transaction_date	card_type	exp_type	gender	amount
1	Delhi	29-10-2014	Gold	Bills	F	82475
2	Greater Mumbai	22-08-2014	Platinum	Bills	F	32555
3	Bengaluru	27-08-2014	Silver	Bills	F	101738
4	Greater Mumbai	12-04-2014	Signature	Bills	F	123424
5	Bengaluru	05-05-2015	Gold	Bills	F	171574
6	Delhi	08-09-2014	Silver	Bills	F	100036
7	Delhi	24-02-2015	Gold	Bills	F	143250
8	Greater Mumbai	26-06-2014	Platinum	Bills	F	150980
9	Delhi	28-03-2014	Silver	Bills	F	192247
10	Delhi	01-09-2014	Platinum	Bills	F	67932
11	Delhi	22-06-2014	Platinum	Bills	F	280061
12	Greater Mumbai	07-12-2013	Signature	Bills	F	278036
13	Greater Mumbai	07-08-2014	Gold	Bills	F	19226
14	Delhi	27-04-2014	Signature	Bills	F	254359
15	Greater Mumbai	15-08-2014	Signature	Bills	F	302834
16	Greater Mumbai	28-11-2014	Platinum	Bills	F	647116
17	Greater Mumbai	14-06-2014	Signature	Bills	F	421878
18	Greater Mumbai	30-03-2015	Gold	Bills	F	986379

- **Write a query to print top 5 cities with highest spends and their percentage contribution of total credit card spends**

Result

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- **Write a query to print highest spend month and amount spent in that month for each card type**

Result

- **Write a query to print the transaction details(all columns from the table) for each card type when-- it reaches a cumulative of 1000000 total spends**

Result

- **Write a query to find city which had lowest percentage spend for gold card type**

Result

- Write a query to print 3 columns: city, highest_expense_type , lowest_expense_type

Result

- **Write a query to find percentage contribution of spends by females for each expense type**

Result

- **Which card and expense type combination saw highest month over month growth in Jan-2014**

Result

- **During weekends which city has highest total spend to total no of transactions ratio**

Result

- **Which city took least number of days to reach its 500th transaction after the first transaction in that city**

Result