Create Table

CREATE EXTERNAL TABLE finalproject_table(Housing INT, Age INT, Sex INT, Employment INT, Monthly_income FLOAT, Credit INT)ROW FORMAT DELIMITED FIELDS TERMINATED BY ',' STORED AS TEXTFILE LOCATION '/user/yl5287/finalproject/input';

finalproject_table.housing	finalproject_table.age	finalproject_table.sex	finalproject_table.employment	finalproject_table.monthly_income	finalproject_table.credit	
1	3	1	1	0.023948882	1	
	3	1	1	0.019320725	1	
	7	1	1	0.0022773477	1	
	6	1	1	0.013223309	1	
t.	4	0	1	0.0057301004	0	
1	4	1	1	0.01013787	1	
i.	7	1	1	0.0018365707	1	
1	5	0	1	0.0052893236	1	
1	3	0	1	0.007933985	0	
1	3	0	1	0.015427194	1	
1	5	1	1	0.0069789686	0	
1	4	1	1	0.008154374	1	
1	3	1	1	0.010725573	1	
	3	1	1	0.011386738	1	
1	3	1	1	0.01946765	1	
	5	0	1	0.004113918	1	
1	3	1	1	0.019320725	1	
h .	3	1	1	0.020128815	1	
1	5	1	1	0.03166248	0	
1	3	1	1	0.0070524313	1	
1	6	0	1	0.0049954723	1	
1	4	1	11	0.010358259	1 1	
1	i 4	j 1	j 1	0.0012488681	i e	

Credit Good Person Attributes Distribution:

Sex:

select sex, count(sex) as gender_count from finalproject_table where credit = 1 group by sex;



Housing:

select housing, count(housing) as housing count from finalproject table where credit = 1 group by housing;



Age:

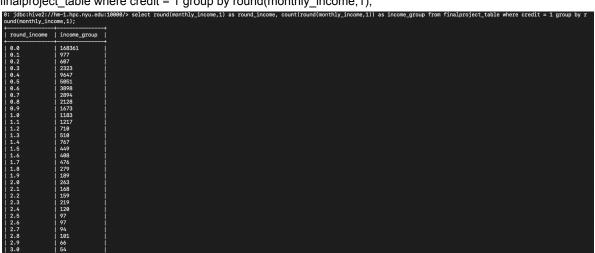
select age, count(age) as age_group from finalproject_table where credit = 1 group by age;

Employment:

select employment, count(employment) as jobs from finalproject_table where credit = 1 group by employment;

Multiples of Avg Income:

select round(monthly_income,1) as round_income, count(round(monthly_income,1)) as income_group from finalproject_table where credit = 1 group by round(monthly_income,1);



Credit Bad Person Attributes Distribution:

Sex:

select sex, count(sex) as gender_count from finalproject_table where credit = 0 group by sex;

Housing:

select housing, count(housing) as housing_count from finalproject_table where credit = 0 group by housing;

[ð: jdbc:hive	e2://hm-1.hpc.nyu.	edu:10000/>	select housing,	count(housing)	as housing_count	from finalproject	_table where c	redit = 0 group by	housing;
ľ										
	housing +	housing_count								
		3582								
	1	33298								
ı	+	·								

Age:

select age, count(age) as age_group from finalproject_table where credit = 0 group by age;

Employment:

select employment, count(employment) as jobs from finalproject_table where credit = 0 group by employment;

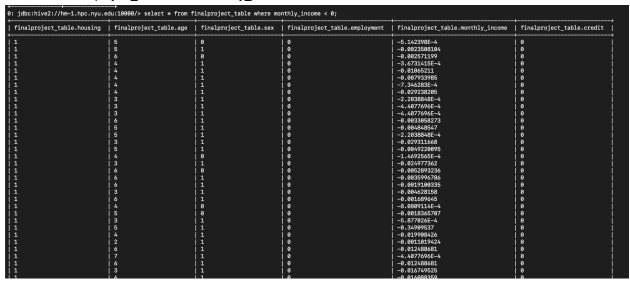
Multiples of Avg Income:

select round(monthly_income,1) as round_income, count(round(monthly_income,1)) as income_group from finalproject_table where credit = 0 group by round(monthly_income,1);



People with negative income:

select * from finalproject_table where monthly_income < 0;



Count the number of good and bad credit for male who is employed and own housing: select credit, count(credit) from finalproject_table where (housing = 0 and sex = 0 and employment = 0) group by credit:

Count the number of good and bad credit for female who is unemployed with no owned housing: select credit, count(credit) from finalproject_table where (housing = 1 and sex = 1 and employment = 1) group by credit;

Count the number of good and bad credit for male who is employed:

select credit, count(credit) from finalproject_table where (sex = 1 and employment = 1) group by credit;

```
| 0: jdbc:hive2://hm-1.hpc.nyu.edu:10000/> select credit, count(credit) from finalproject_table where (sex = 1 and employment = 1) group by credit;
| credit | _c1 |
| credit | _c1 |
| 0 | 16970 |
| 1 | 115197 |
```

Count the number of good and bad credit for female who is unemployed:

select credit, count(credit) from finalproject table where (sex = 0 and employment = 0) group by credit;