

Now Total_income has been reduced by \$1,000.

Now we group applicants into income brackets of \$20,000 and show what percentage from each group were approved for credit cards:

```
[118] 1 -- Income bins ($20k) vs pct approved

2 with newTable as

3 (select

4 ID,

5 concat(

6 floor(IncomeReduced / 20) * 20,

'.',

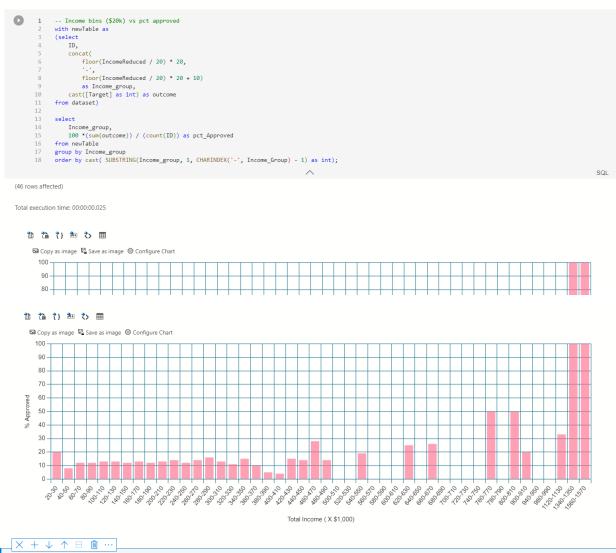
8 floor(IncomeReduced / 20) * 20 + 10)

9 as Income_group,

10 cost([Target] as int) as outcome

11 from dataset)
```

Now we group applicants into income brackets of \$20,000 and show what percentage from each group were approved for credit cards:





Let's examine all approved applicants and compare their housing type.

_3_chart_SandDance.png

The majority of approved applicants (88%) live in their owned house or apartment._

And a similar visualization for education type.

4_chart_SandDance.png

The majority of applicants approved for a credit card have a secondary degree. Fewer have any higher education.

Next, let's compare the income type of all approved applicants.

Double-click to edit

```
[13] 1 select
2 Income_type,
3 --count(ID) as totalApplied,
4 --sum(cast([Target] as int)) as totalApproved,
5 (100 * sum(cast([Target] as int)) / count(ID) ) as pctApproved
```

(5 rows affected)

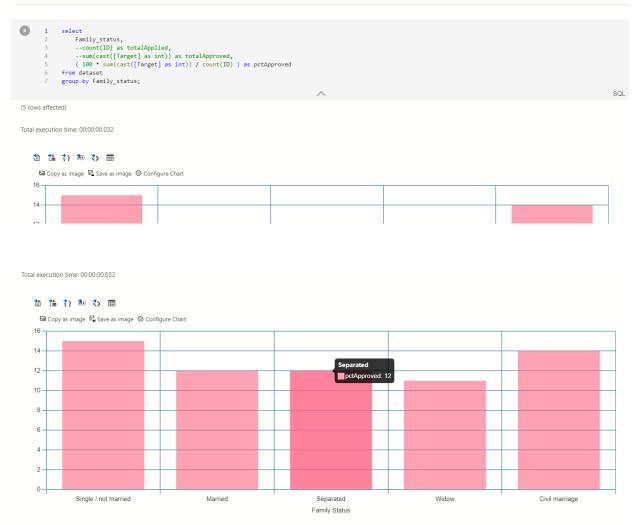
Total execution time: 00:00:00.009



5_chart.png

Students are much more likely to be approved (33%) than other applicants. However, only 3 students applied.

There's one more variable we haven't explore, family status:



The most likely group to be approved for a credit card were Single.