1.借款表：loan,字段包含loan\_id(借款单号)、user\_id(用户id)、借款金额(loan\_amount)、产品id(prod\_id)；用一个SQL查询平均借款金额大于20000元的用户id及平均借款金额。

Select user\_id as 用户id , avg(loan\_amount) as 平均借款金额

From loan

Group by user\_id

Having avg(loan\_amount)>20000;

2.还款流水表：repay\_detail；字段包含loan\_order\_id(订单号), duration\_num(第几期），real\_repay\_time(实际还款时间), repay\_amount(实际还款金额)。

还款计划表：repay\_plan；字段包含loan\_order\_id(订单号), duration\_num(第几期), plan\_begin\_time(计划还款开始时间)，plan\_end\_time(计划还款结束时间)，principal(应还金额)。

查询每个订单的每一期按时还款、到期日后1-15日内还款、15日+还款的还款金额;

Select  loan\_order\_id as 订单 , duration\_num as 期数 , sum(j.repay\_amount) as按时还款

From repay\_detail a

Inner join repay\_plan b

On a. loan\_order\_id=b. loan\_order\_id

Where a. real\_repay\_time between b.begin\_time and b. plan\_end\_time

Group by loan\_order\_id, duration\_num

Union

Select  loan\_order\_id as 订单 , duration\_num as 期数 , sum(j.repay\_amount) as 到期日后1-15日内还款

From repay\_detail a

Inner join repay\_plan b

On a. loan\_order\_id=b. loan\_order\_id

Where a.real\_repay\_time between b. plan\_end\_time+1 and b. plan\_end\_time+15

Group by loan\_order\_id, duration\_num

Union

Select  loan\_order\_id as 订单 , duration\_num as 期数 ,sum(j.repay\_amount) 15日+还款的还款金额

From repay\_detail a

Inner join repay\_plan b

On a. loan\_order\_id=b. loan\_order\_id

Where a. real\_repay\_time> b. plan\_end\_time+15

Group by loan\_order\_id, duration\_num;

3.t\_login: uid,登录日期（login\_date)

[计算用户在11月的最大连续登录天数](mailto:计算用户在11月的最大连续登录天数wuqimin@didiglobal.com)

select uid,开始日期,MAX(cou) 最大连续登陆天数

from

(

select uid,interday+1 开始日期, count(1) cou

from

(

select A.uid, date\_sub(A.login\_date,interval A.rn DAY) interday,

A.login\_date

from ( select uid, login\_date, MONTH(login\_date) m1,

row\_number() over (partition by uid order by login\_date) as rn

from t\_login)A

Where A.m1=11

)B

group by uid ,interday

) C

group by uid;

select max(count(1))

from ( select A.uid, A.login\_date, date\_sub (A.login\_date,A.rn) AS inteval\_days

from ( select uid, login\_date, row\_number() over (partition by uid order by login\_date) as rn from t\_login)A)B

group by B.uid,B.inteval\_days ;