



乔答案

1.(1)

Select po. org\_name 部门名称, count(sign\_date) 签单数 , sum(money) 签单金额

from web\_order wo

left join portal\_user pu on wo.user\_id=pu.user\_id

left join portal\_org po on wo.org\_id=po. org\_id

Where sign\_date between 20160301 and 20160331

Group by org\_id;

1.(2)

Select count(\*) 合作中的订单数

From portal\_user pu

Inner join portal\_org po on pu.org\_id=po. org\_id

Inner join web\_order wo on pu.user\_id=wo.user\_id

Where start\_date between 20160301 and 20160331

or end\_date between 20160301 and 20160331;

2.(1)

Select count(\*) 签单数,sum(money) 签单金额

From employee e

Inner join contract c on e.user\_id=c.user\_id

Where signdate between 20140101 and 20140131

Group by user\_id;

2.(2)

select

sum(case when Startdate<=20140530 and enddate>=20140530 then 1 else 0 end) 正在进行数,

Sum(case when enddate<=20140530 then 1 else 0 end) 已经结束,

Sum (case when Startdate>20140530 then 1 else 0 end) 还未开始

from contract;

鸭子答案

第一题第一问

Select count(\*) 签单数,sum(money) 签单金额

From portal\_user a

Inner join portal\_org b on a.org\_id=b. org\_id

Inner join web\_order c on a.user\_id=c.user\_id

Where sign\_date between 20160301 and 20160331

group by org\_id;

第一题第二问

Select count(\*) 合作订单数

From portal\_user a

Inner join portal\_org b on a.org\_id=b. org\_id

Inner join web\_order c on a.user\_id=c.user\_id

Where start\_date between 20160301 and 20160331

or end\_date between 20160301 and 20160331

第二题第一问

Select count(\*) 签单数,sum(money) 签单金额

From employee e

Inner join contract c on e.user\_id=c.user\_id

Where signdate between 20140101 and 20140131

Group by user\_id

第二题第二问

select

(Select count(signdate) from contract where Startdate<=20140530 and enddate>=20140530) 正在进行数,

(Select count(signdate) from contract where enddate<=20140530 ) 已经结束,

(Select count(signtdate) from contract where Startdate>20140530) 还未开始

from contract;





1

import pandas as pd

a=pd.read\_csv(‘data.csv’)

def missing\_percent(df):

     nan\_percent = 100\*(df.isnull().sum()/len(df))

     nan\_percent = nan\_percent[nan\_percent > 0].sort\_values()

     return nan\_percent

 print(missing\_percent(a))

2

grouped =a.groupby('MSZoning').aggregate(['count'])

grouped