1. Number of auto policy sold this year under different state by each agent, and the change of the number sold

select AUTO.agentname, AUTO.state, AUTO.n\_state, AUTO1.n\_state1,

(coalesce(AUTO.n\_state,0) - coalesce(AUTO1.n\_state1,0)) as change

from

(select AAC.agentname, AAC.state, count(AAC.state) as n\_state from

(select temp.agentname, substr(temp.clientaddress,instr(temp.clientaddress,',',-1)+1) as state

from

(select \* from agent

left join autopolicy on autopolicy.agent\_agentid = agent.agentid

left join client on autopolicy.client\_clientid = client.clientid) temp

where temp.autopolicyno is not null

and temp.autopolicydate between '01/01/2017' and '12/31/2017') AAC

group by AAC.agentname, AAC.state) AUTO

full join (select AAC1.agentname, AAC1.state1, count(AAC1.state1) as n\_state1 from

(select temp1.agentname, substr(temp1.clientaddress,instr(temp1.clientaddress,',',-1)+1) as state1

from

(select \* from agent

left join autopolicy on autopolicy.agent\_agentid = agent.agentid

left join client on autopolicy.client\_clientid = client.clientid) temp1

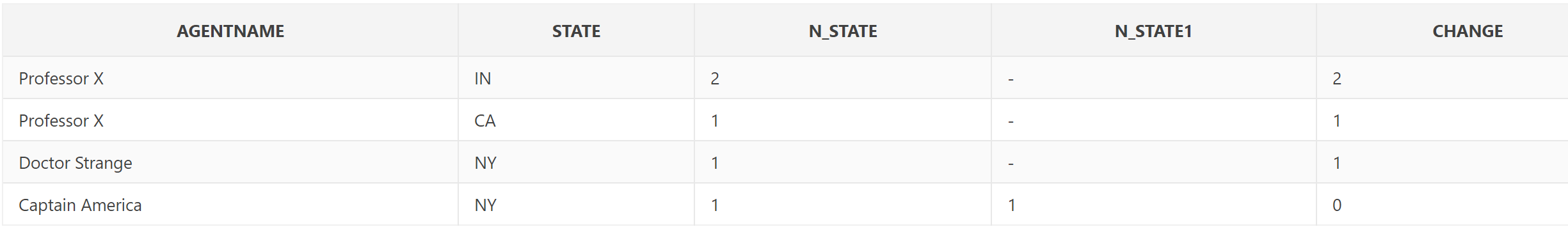
where temp1.autopolicyno is not null

and temp1.autopolicydate between '01/01/2016' and '12/31/2016') AAC1

group by AAC1.agentname, AAC1.state1) AUTO1

on AUTO1.agentname = AUTO.agentname

order by change desc



4. Market situation analysis of the insurance company

select insuranceconame, state, sum\_auto\_amt, sum\_life\_amt, total\_amt, n\_client, total\_n\_policy, round((total\_n\_policy / n\_client),2) as realization from

(select insuranceconame, state, sum\_auto\_amt, sum\_life\_amt, (sum\_auto\_amt+sum\_life\_amt) as total\_amt, n\_client, (n\_autopolicy+n\_lifepolicy) as total\_n\_policy from

(select insuranceconame, state, sum(coalesce(autopolicydamageamt,0)) as sum\_auto\_amt, sum(coalesce(lifepolicyamount,0)) as sum\_life\_amt, count(distinct clientid) as n\_client, count(autopolicyno) as n\_autopolicy, count(lifepolicyno) as n\_lifepolicy

from

(select insuranceconame, substr(clientaddress,instr(clientaddress,',',-1)+1) as state, autopolicyno, autopolicydamageamt, lifepolicyno, lifepolicyamount, clientid from

(((select \* from

(select \* from insurancecompany

left join invoice on insurancecompany.insuranceconame = invoice.company\_insuranceconame) TEMP

where TEMP.invoiceno is not null)

left join client on client\_clientid = client.clientid)

left join autopolicy on autopolicy\_autopolicyno = autopolicy.autopolicyno)

left join lifepolicy on lifepolicy\_lifepolicyno = lifepolicy.lifepolicyno)

group by insuranceconame, state)

order by total\_amt desc)

order by realization desc