select distinct c.clean\_mobile[mob],c.INVC\_CUSTMR\_CD [custcd],a.CHAS\_NUMBR[chasno],a.MODL\_GROP\_CD[brand],e.Usage\_Type[Type],a.VARNT\_CD[variant],

cast(b.INVC\_DATE as Date)[invcdt], f.EXTND\_WARNTY\_IND [exwar],f.taxi\_non\_taxi[taxi], c.CUSTMR\_TYPE[custtype],d.parnt\_name[dealer],d.zone\_desc[zone],

d.area\_ofce\_desc[AO],g.STATE[state]

into temp\_newrepurbase from T\_INV\_VEHICLE a -- this is the new vehicle master

join T\_INV\_HDR b -- this is the invoice table

on a.PARNT\_GROP=b.PARNT\_GROP and a.LOCTN\_CD=b.LOCTN\_CD and a.INVC\_ID=b.INVC\_ID

join T\_INV\_INVOICECUSTOMER c -- this gives the customer details

on a.PARNT\_GROP=c.PARNT\_GROP and a.LOCTN\_CD=c.LOCTN\_CD and a.INVC\_ID=c.INVC\_ID

join MAST\_BRANCHDTLS d -- this gives the dealer details and location

on a.parnt\_grop=d.parnt\_grop and a.loctn\_cd=d.loctn\_cd

join MODEL\_GROUP\_MASTER e --- this gives the complete brand details

on a.modl\_grop\_cd=e.Model\_Group\_Code

join T\_VEHICL\_MASTER\_NEW f --- this is the old vehicle master

on a.CHAS\_NUMBR=f.CHAS\_NUMBR

join T\_PINCODE\_MST g --- pin code master

on c.PIN=g.PINCODE

where b.INVC\_DATE < '2016-09-01' and c.clean\_mobile is not null

----- 21,61,328 vehicles till end FY16 - This date is FIXED

--

select top 100 \* from temp\_newrepurbase

select mob,SUM(veh)[veh] into #1 from temp\_mvonew

group by mob

--select top 100 \* from #1

alter table #1 add mvo varchar (10)

update #1 set mvo= 1

alter table temp\_newrepurbase add mvo1 varchar (10)

update temp\_newrepurbase set mvo1 = b.mvo

from temp\_newrepurbase a LEFT join #1 b

on a.mob=b.mob

alter table temp\_upgall drop column mvo1

update temp\_newrepurbase set mvo =

case when mvo1='1' then '1'

when mvo1 IS null then '0' end

from temp\_newrepurbase

select TOP 100 \* from temp\_newrepurbase

select a.chasno,a.mob,b.ODMTR\_REDNG[odmtr],b.SERVC\_TYPE[servtype],c.SERVC\_TYPE\_DESC[service],CAST(b.RO\_DATE as Date)[rodt],d.DOC\_AMNT[servamt]

into #2 from temp\_newrepurbase a join T\_ROCLSNG\_HDR b

on a.chasno=b.CHAS\_NUMBR

join MAST\_SERVICE\_SERVCE\_TYP\_MST c

on b.SERVC\_TYPE=c.SERVC\_TYPE

join T\_ROBILL\_HDR d

on b.PARNT\_GROP=d.PARNT\_GROP and b.LOCTN\_CD=d.LOCTN\_CD and b.RO\_ID=d.RO\_ID

where b.RO\_STATS='bil'

select \* from MAST\_SERVICE\_SERVCE\_TYP\_MST

select \*,

case when (service like '%FREE%' or service like '%anniver%') then 'FREE'

when service = 'ACCIDENTAL' then 'ACCIDENTAL'

else 'PAID' end as servflag

into #3 from #2

select \* ,

row\_number() over (partition by mob

order by rodt desc) rn

into #4

from #3

where rodt is not null

alter table #4 add lastrodt date

update #4 set lastrodt =

case when rn='1' then rodt end

from #4

select TOP 100 \* from temp\_newrepurserv0

drop table temp\_newrepurserv0

alter table #4 add acc float

update #4 set acc=

case when servflag='ACCIDENTAL' then '1' end

from #4

select distinct mob,chasno,MAX(odmtr)[odmtr],MAX(rn)[services],max(rodt)[lastrodt],SUM(acc)[acc],SUM(servamt)[servspend]

into temp\_newrepurserv0 from #4

group by mob,chasno

update temp\_newrepurserv0 set acc=

case when acc IS null then 0

when acc IS not null then acc

end

from temp\_newrepurserv0

alter table temp\_newrepurserv0 add servdiff float

update temp\_newrepurserv0 set servdiff =

DATEDIFF(MONTH, lastrodt,'2016-09-01')

from temp\_newrepurserv0

-- this is services before September 16

select top 100 \* from temp\_newrepurserv0

--- join this to the initial base

select distinct a.\*,b.odmtr,b.acc,b.services,b.servspend,b.servdiff,c.complaints,month(a.invcdt)[month]

into temp\_upgall

from temp\_newrepurbase a join temp\_newrepurserv0 b

on a.mob=b.mob and a.chasno=b.chasno

join #d c on a.mob=c.mob

select TOP 100 \* from temp\_rep0

drop table temp\_rep0

select distinct mob,mvo[TARGET],brand,TYPE,exwar,custtype,zone,AO,state,odmtr,services,servspend,servdiff,acc,complaints,month

into temp\_rep0 from temp\_upgall

select COUNT(\*) from temp\_rep0 where state = 'Jharkhand'

drop table temp\_newrepurchase0

select distinct a.mob,a.chasno,a.brand,a.type,a.invcdt,a.exwar,a.custtype,a.zone,a.AO,a.state,a.mvo,b.odmtr,b.services,b.lastrodt,b.acc,b.servspend,b.servdiff

into temp\_newrepurchase0 from temp\_newrepurbase a join temp\_newrepurserv0 b

on a.mob=b.mob and a.chasno=b.chasno

select TOP 100 \* from temp\_newrepurchase0

alter table temp\_newrepurchase0 add SERVBKT varchar (20)

update temp\_newrepurchase0 set SERVBKT =

case when servdiff <= 6 then 'A1'

when servdiff between 7 and 12 then 'A2'

when servdiff between 13 and 18 then 'A3'

when servdiff between 19 and 24 then 'A4'

when servdiff between 25 and 36 then 'A5'

when servdiff between 37 and 48 then 'A6'

when servdiff > 48 then 'A7'

end

from temp\_newrepurchase0

select top 100 \* from temp\_newrepurchase0

where servspend is NULL

alter table temp\_newrepurchase0 add SPNDBKT varchar (20)

update temp\_newrepurchase0 set SPNDBKT =

case when servspend=0 then 'C1'

when servspend between 1 and 1000 then 'C2'

when servspend between 1001 and 5000 then 'C3'

when servspend between 5001 and 10000 then 'C4'

when servspend between 10001 and 25000 then 'C5'

when servspend > 25000 then 'C6'

end

from temp\_newrepurchase0

select top 100 \* from temp\_newrepurchase0

where odmtr is NULL

alter table temp\_newrepurchase0 add odmbkt varchar (20)

update temp\_newrepurchase0 set odmbkt =

case when odmtr=0 then 'A1'

when odmtr between 1 and 10000 then 'A2'

when odmtr between 10001 and 30000 then 'A3'

when odmtr between 30001 and 60000 then 'A4'

when odmtr between 60001 and 100000 then 'A5'

when odmtr > 100000 then 'A6'

end

from temp\_newrepurchase0

select distinct a.mob,COUNT(distinct b.COMPLNT\_NUMBR)[complaints] into #D from temp\_newrepurchase0 a left join T\_CCCF\_GENRTN\_HDR\_NEW b

on a.mob=b.CLEAN\_MOBILE

group by a.mob

select top 100 \* from #D

alter table #D add COMPBKT varchar (20)

update #D set COMPBKT =

case when complaints=0 then 'A' when complaints = 1 then 'B'

when complaints between '2' and '5' then 'C'

when complaints > '5' then 'D'

end

from #D

alter table temp\_newrepurchase0 add COMPBKT varchar(10)

update temp\_newrepurchase0 set COMPBKT = b.compbkt

from temp\_newrepurchase0 a left join #D b

on a.mob=b.mob

alter table temp\_newrepurchase0 drop column accbkt

select TOP 100 \* from temp\_newrepurchase0

where acc is NULL

alter table temp\_newrepurchase0 add accbkt varchar (10)

update temp\_newrepurchase0 set accbkt =

case when ACC ='0' then 'A'

when ACC = '1' then 'B'

when ACC between '2' and '5' then 'C'

when ACC > '5' then 'D'

end

from temp\_newrepurchase0

drop table temp\_newrepurchase

select TOP 100 \* from temp\_newrepurchase1

select a.\*, month(cast (b.invc\_date as date))[month] into temp\_newrepurchase1 from temp\_newrepurchase0 a join T\_VEHICL\_MASTER\_NEW b

on a.chasno=b.CHAS\_NUMBR

select distinct mob,chasno,brand,TYPE,exwar,custtype,zone,AO,state,accbkt,servbkt,spndbkt,odmbkt,compbkt,month,mvo into temp\_newrepurchase

from temp\_newrepurchase1

select brand,mvo,COUNT(distinct mob),COUNT(distinct chasno) from temp\_newrepurchase

group by brand, mvo

select TOP 100 \* from temp\_newrepurchase

select \*,

1/(1+EXP(-1.088 +(

case when brand='ALFP' then -0.376

when brand='ALPL' then -0.03758

when brand='BOL' then -0.1585

when brand='CHMP' then 1.026

when brand='E2O' then -1.087

when brand='GENO' then 0.04744

when brand='GIO' then -0.1825

when brand='GIOP' then -0.8061

when brand='HTOP' then 0.005907

when brand='IMPR' then 0.1281

when brand='JETO' then -0.52

when brand='KUV1' then -1.727

when brand='LOGN' then -0.4979

when brand='MAXI' then 0.02958

when brand='MXMH' then -0.3393

when brand='MXMO' then -0.2242

when brand='MXMP' then -0.4268

when brand='PUP' then 0.2379

when brand='QUAN' then -1.17

when brand='REVA' then 1.058

when brand='REXT' then -0.6094

when brand='SCR' then -0.2668

when brand='SCR9' then -1.471

when brand='SCRN' then 0.0303

when brand='STOP' then 14.68

when brand='SUPL' then -0.1775

when brand='SUPP' then -0.3701

when brand='THAR' then -0.1558

when brand='TUV3' then -1.055

when brand='VIBE' then -0.4323

when brand='XUV5' then -0.845

when brand='XUV9' then -2.137

when brand='XUVR' then -0.7903

when brand='XYLO' then -0.6208

when exwar='Y' then 0.05807

when custtype='CRP' then -2.632

when custtype='IND' then -3.269

when zone='North-West ' then -0.3931

when zone='North ' then 0.1788

when zone='South ' then -0.224

when zone='West ' then -0.03801

when AO='Bangalore' then -0.7021

when AO='Bhopal' then 0.02868

when AO='Bhubaneshwar' then 0.1434

when AO='Calcutta' then 0.3002

when AO='Chandigarh' then -0.1526

when AO='Chennai' then -0.07299

when AO='Cochin' then -1.148

when AO='Guwahati' then -0.1624

when AO='Jaipur' then -0.4232

when AO='Karnal' then -0.2494

when AO='Lucknow' then -0.2757

when AO='Mumbai' then 0.1217

when AO='New Delhi' then 0.08986

when AO='Noida' then 0

when AO='Patna' then 0

when AO='Pune' then -0.1305

when AO='Raipur' then 0

when AO='Secunderabad' then -0.2103

when AO='Vijayawada' then 0

when state='Andhra Pradesh' then 0.3882

when state='Andhra Pradesh' then 0.09825

when state='ANDHRA PRADESH' then 0.1892

when state='Arunachal Pradesh' then 0.8576

when state='ARUNACHAL PRADESH' then 0.8538

when state='Assam' then 0.189

when state='ASSAM' then -0.4179

when state='Bidar' then 1.381

when state='Bihar' then -0.08381

when state='Bihar' then -10.79

when state='BIHAR' then -0.3562

when state='Chandigarh' then 0.2234

when state='CHANDIGARH' then 0.6728

when state='CHATTISGARH' then -2.108

when state='Chhattisgarh' then 0.161

when state='Dadra and Nagar Haveli' then 0.8568

when state='DAMAN & DIU' then -10.52

when state='Daman and Diu' then 0.7564

when state='Delhi' then 0.1387

when state='DELHI' then 0.4806

when state='Goa' then -0.1825

when state='Gujarat' then 0.8272

when state='Gujarat' then -0.1734

when state='GUJARAT' then 0.7303

when state='Haryana' then 0.3432

when state='Haryana' then -11.01

when state='HARYANA' then 0.388

when state='Himachal Pradesh' then 0.1101

when state='Himachal Pradesh' then -10.25

when state='HIMACHAL PRADESH' then -0.059

when state='JAMMU & KASHMIR' then 0.09932

when state='Jammu and Kashmir' then 0.1391

when state='Jharkhand' then -0.2456

when state='JHARKHAND' then -0.8312

when state='Karnataka' then 0.6095

when state='Karnataka' then 0.03776

when state='KARNATAKA' then 0.8532

when state='Kerala' then 1.284

when state='Kerala' then 1.709

when state='KERALA' then 0.4584

when state='Lailunga' then 0.3673

when state='LAKSHADWEEP' then -9.129

when state='Madhya Pradesh' then -0.02251

when state='Madhya Pradesh' then -0.48

when state='MADHYA PRADESH' then 0.05793

when state='Maharashtra' then 0.04819

when state='Maharashtra' then -10.21

when state='MAHARASHTRA' then 0.4747

when state='Manipur' then 0.5186

when state='MANIPUR' then 0.6

when state='Meghalaya' then 0.3031

when state='MEGHALAYA' then 0.4388

when state='Mizoram' then 0.5975

when state='MIZORAM' then -0.1836

when state='Nagaland' then 1.35

when state='NAGALAND' then -10.63

when state='New Delhi' then 0.2996

when state='Nizamabad' then -10.19

when state='NULL' then 0.198

when state='Orissa' then 0.04685

when state='Orissa' then -10.91

when state='ORISSA' then 0.09867

when state='Pondicherry' then 0.3207

when state='PONDICHERRY' then -11

when state='Punjab' then -0.06951

when state='Punjab' then 0.6481

when state='PUNJAB' then 0.004981

when state='Rajasthan' then 1.112

when state='RAJASTHAN' then 0.8971

when state='Sikkim' then 0.328

when state='Tamil Nadu' then -0.00002767

when state='Tamil Nadu' then -0.1548

when state='TAMIL NADU' then 0.07764

when state='Tripura' then 0.2575

when state='TRIPURA' then 0.5589

when state='Uttar Pradesh' then 0.04786

when state='UTTAR PRADESH' then 0.07286

when state='Uttaranchal' then -0.1704

when state='West Bengal' then -0.09937

when state='West Bengal' then -0.4094

when state='WEST BENGAL' then -0.6423

when accbkt='B' then -0.1218

when accbkt='C' then -0.1695

when accbkt='D' then -0.4108

when servbkt='A2' then 0.2369

when servbkt='A3' then 0.2992

when servbkt='A4' then 0.3949

when servbkt='A5' then 0.4212

when servbkt='A6' then 0.5271

when servbkt='A7' then 0.6439

when spndbkt='C2' then -0.2036

when spndbkt='C3' then -0.3038

when spndbkt='C4' then -0.3663

when spndbkt='C5' then -0.4712

when spndbkt='C6' then -0.5568

when spndbkt='NULL' then 0.4473

when odmbkt='A3' then -0.01301

when odmbkt='A4' then 0.1401

when odmbkt='A5' then 0.2848

when odmbkt='A6' then 0.4541

when compbkt='B' then 0.6791

when compbkt='C' then 1.229

when compbkt='D' then 2.128

when compbkt='NULL' then -9.908

when month='10' then 0.06887

when month='11' then 0.01304

when month='12' then -0.04051

when month='2' then -0.04552

when month='3' then -0.005884

when month='4' then 0.1523

when month='5' then 0.1294

when month='6' then 0.1139

when month='7' then 0.1582

when month='8' then 0.108

when month='9' then 0.1755

when month='NULL' then -2.312

else 0 end)))[score]

into temp\_newindrepur

from temp\_newrepurchase

select MAX(score),MIN(score) from temp\_newin

where mob='9886732516'

select distinct mob,score, NTILE(10) over(order by score desc)nt into temp\_indoct from temp\_newindrepur

select top 100 \* from temp\_indoct

select distinct mob,chasno,brand,TYPE,zone,ao,state into #ind from temp\_newindrepur

alter table #ind add decile varchar (10)

update #ind set decile = b.nt

from #ind a left join temp\_indoct b

on a.mob=b.mob

select \* into temp\_f10f16upgnew from #ind

alter table temp\_f10f16upgnew drop column decile

update temp\_f10f16upgnew set NT = 11 - decile

select top 100 \* from temp\_f10f16upgnew

select top 100 \* from temp\_f10f16upgnew

select distinct b.CLEAN\_MOBILE[mob],c.CHAS\_NUMBR[chasno] into #f16 from T\_INV\_HDR a join T\_INV\_INVOICECUSTOMER b

on a.PARNT\_GROP=b.PARNT\_GROP and a.LOCTN\_CD=b.LOCTN\_CD and a.INVC\_ID = b.INVC\_ID

join T\_INV\_VEHICLE c

on a.PARNT\_GROP=c.PARNT\_GROP and a.LOCTN\_CD=c.LOCTN\_CD and a.INVC\_ID=c.INVC\_ID

where a.INVC\_DATE >'2016-3-31'

select top 100 \* from #f16

select mob,COUNT(distinct chasno)[veh] into #f17 from #f16

group by mob

alter table #ind add rep float

update #ind set rep = b.veh

from #ind a left join #f17 b

on a.mob=b.mob

select top 100 \* from #ind

select distinct mob,decile,REP into #ind0 from #ind

select decile,COUNT(distinct mob),sum(rep) from #ind0

where rep is not null

group by decile