**PROC** **SQL**; /\*고객별 구매횟수\*/

CREATE TABLE T.PUB\_A AS

SELECT DISTINCT CLIENT\_NO, AGE\_GROUP,COUNT(DISTINCT SALE\_DATE) AS DATE

, CASE WHEN **1**<= CALCULATED DATE <**4** THEN "1~3회"

WHEN **4**<= CALCULATED DATE <**7** THEN "4~6회"

WHEN **7**<= CALCULATED DATE <**10000** THEN "7회이상"

END AS 구매횟수

FROM T.FINAL\_TR\_AGE\_SHOP

WHERE (SUBSTR(SALE\_DATE,**1**,**6**) BTEWEEN "201601" AND "201612")

GROUP BY CLIENT\_NO

HAVING CALCULATED 구매횟수 = "1~3회"

;

**QUIT**;

**PROC** **SQL**; /\* 거래내역과 그룹 합치기 2016년 기준\*/

CREATE TABLE T.PUB\_JA AS

SELECT \*

FROM T.PUB\_A AS A

LEFT JOIN (SELECT \* FROM T.FINAL\_TR\_AGE\_SHOP WHERE SUBSTR(SALE\_DATE,**1**,**6**) BTEWEEN "201601" AND "201612") AS B

ON A.CLIENT\_NO = B.CLIENT\_NO

;

**QUIT**;

**PROC** **SQL**; /\* 그룹별 매출액구하기 \*/

SELECT SUBSTR(SALE\_DATE,**1**,**6**) AS DATE

, sum(BUY\_AMT) as 매출액

from t.pub\_jA

GROUP BY CALCULATED DATE

;

**quit**;

**PROC** **SQL**; /\* 그룹별 연령별 숫자구하기 \*/

SELECT AGE\_GROUP

,COUNT(AGE\_GROUP) AS 횟수

FROM t.pub\_C

GROUP BY AGE\_GROUP

;

**QUIT**;

**PROC** **SQL**;/\* 그룹별 구매물품 구하기 \*/

CREATE TABLE T.JCG AS

SELECT \*

FROM T.PUB\_JC AS A

LEFT JOIN

(SELECT GOODS\_CD,GOODS\_CLS\_CD FROM T.GOODS\_NEW\_SORT) AS B

ON A.GOODS\_CD = B.GOODS\_CD

;

**QUIT**;

**PROC** **SQL**;

SELECT SUBSTR(SALE\_DATE,**1**,**6**) AS SDATE

, GOODS\_CLS\_CD

, COUNT(DISTINCT GOODS\_CLS\_CD)

FROM T.JAG

GROUP BY CALCULATED SDATE, GOODS\_CLS\_CD

;

**QUIT**;

**PROC** **SQL**;

SELECT

SUBSTR(DISTINCT(SALE\_DATE),**1**,**6**) AS SDATE,GOODS\_CLS\_CD

, COUNT( GOODS\_CLS\_CD)

FROM T.JAG

WHERE CLIENT\_NO = "M03030191"

GROUP BY CALCULATED SDATE,GOODS\_CLS\_CD

;

**QUIT**;

**PROC** **SQL**;

CREATE TABLE TR AS

SELECT \*

FROM T.JAG

ORDER BY SALE\_DATE,CLIENT\_NO

;

**QUIT**;

----------------------------------------- ABC그룹 구하기 ---------------------------------------

**PROC** **SQL**; /\*고객별 구매횟수\*/

CREATE TABLE T.A15 AS

SELECT DISTINCT CLIENT\_NO, AGE\_GROUP,COUNT(DISTINCT SALE\_DATE) AS DATE

, CASE WHEN **1**<= CALCULATED DATE <**4** THEN "1~3회"

WHEN **4**<= CALCULATED DATE <**7** THEN "4~6회"

WHEN **7**<= CALCULATED DATE <**10000** THEN "7회이상"

END AS 구매횟수

FROM T.FINAL\_TR\_AGE\_SHOP

WHERE (SUBSTR(SALE\_DATE,**1**,**6**) BTEWEEN "201501" AND "201512")

GROUP BY CLIENT\_NO

HAVING CALCULATED 구매횟수 = "1~3회"

;

**QUIT**;

**PROC** **SQL**; /\* 15년 고객들 -> 16년 고객들로 \*/

CREATE TABLE T.C156 AS

SELECT A.CLIENT\_NO

, A.AGE\_GROUP

,B.\*

FROM T.C15 AS A

LEFT JOIN

(SELECT \* FROM T.FINAL\_TR\_AGE\_SHOP

WHERE SUBSTR(SALE\_DATE,**1**,**6**) BETWEEN "201601" AND "201612") AS B

ON A.CLIENT\_NO = B.CLIENT\_NO

;

**QUIT**;

**PROC** **SQL**; /\*고객별 구매횟수\*/

CREATE TABLE T.C156Z AS

SELECT DISTINCT CLIENT\_NO, AGE\_GROUP,COUNT(DISTINCT SALE\_DATE) AS DATE

, CASE WHEN **1**<= CALCULATED DATE <**4** THEN "1~3회"

WHEN **4**<= CALCULATED DATE <**7** THEN "4~6회"

WHEN **7**<= CALCULATED DATE <**10000** THEN "7회이상"

ELSE "이탈고객"

END AS 구매횟수

FROM T.C156

GROUP BY CLIENT\_NO

HAVING CALCULATED 구매횟수 = "이탈고객"

;

**QUIT**;

**PROC** **SQL**; /\* 16년 고객들 -> 17년 고객들로 \*/

CREATE TABLE T.C156Z7 AS

SELECT A.CLIENT\_NO

, A.AGE\_GROUP

,B.\*

FROM T.C156Z AS A

LEFT JOIN

(SELECT \* FROM T.FINAL\_TR\_AGE\_SHOP

WHERE SUBSTR(SALE\_DATE,**1**,**6**) BETWEEN "201701" AND "210712") AS B

ON A.CLIENT\_NO = B.CLIENT\_NO

;

**QUIT**;

**PROC** **SQL**; /\*고객별 구매횟수\*/

CREATE TABLE T.C156Z7A AS/\*\*/

SELECT DISTINCT CLIENT\_NO, AGE\_GROUP,COUNT(DISTINCT SALE\_DATE) AS DATE

, CASE WHEN **1**<= CALCULATED DATE <**4** THEN "1~3회"

WHEN **4**<= CALCULATED DATE <**7** THEN "4~6회"

WHEN **7**<= CALCULATED DATE <**10000** THEN "7회이상"

ELSE "이탈고객"

END AS 구매횟수

FROM T.C156Z7/\*\*/

GROUP BY CLIENT\_NO

HAVING CALCULATED 구매횟수 = "1~3회" /\*\*/

;

**QUIT**;

------------------------------- \*\* 점 데이터 활용하기 ----------------------------------------------

**proc** **sql**; /\* \*\*점 연간 매출현황\*/

create table test.VER\_TR\_years as

select substr(sale\_date,**1**,**4**) as date

, sum(buy\_qty) AS 판매량

, sum(buy\_amt) AS 판매금액

from test.VER\_TR\_AGEdel

group by date

having date between "2014" and "2017"

;

**quit**;

**proc** **sql**; /\* \*\*점 고객 나이 20세와 89세 사이로만 설정, 결측치 제거 \*/

create table test.cust\_by\_agedel as

select client\_no,age,age\_group

from test.cust\_by\_age\_st

where age between **20** and **89**

;

**quit**;

**proc** **sql**; /\* \*\*점 거래내역(+상품코드) + 고객 연령 \*/

create table test.ver\_tr\_age as

(select a.\*

, b.client\_no

, b.age

, b.age\_group

from test.ver\_tr\_sortbyclt as a

left join test.cust\_by\_age\_st as b

on a.client\_no = b.client\_no);

**quit**;

**proc** **sql**; /\* \*\*점 연령대 별 매출현황\*/

create table test.VER\_tr\_age\_ratio as

select age\_group

, sum(buy\_qty) as 판매량

, sum(buy\_amt) as 판매액

from test.VER\_TR\_AGEDEL

group by age\_group

;

**quit**;

**PROC** **SQL**; /\* 연령대별 고객현황 \*/

CREATE TABLE TEST.kajua\_cust\_by\_agedel AS

SELECT AGE\_GROUP

, COUNT(AGE\_GROUP) AS 연령대수

FROM TEST.count

GROUP BY AGE\_GROUP

;

**QUIT**;

**proc** **sql**;

create table test.count as

select distinct client\_no as client ,age,age\_group

from test.tr\_kajua\_gd\_agedel

;

**quit**;

**proc** **sql**; /\* \*\*점 물건별 판매량,금액 정리 \*/

create table test.ver\_tr\_top as

select goods\_cls\_cd

, sum(buy\_qty) as 판매량

, sum(buy\_amt) as 판매금액

from test.VER\_TR\_AGEDEL

group by goods\_cls\_cd

order by 판매금액

;

**quit**;

**proc** **sql**;

create table test.ver\_tr\_del\_gd as

(select a.client\_no,

,a.occur\_shop\_cd

,a.sale\_date

,a.age

,a.age\_group

,a.goods\_cd

,b.goods\_cls\_cd

,b.goods\_dtl\_cd

,a.buy\_qty

,a.buy\_amt

from test.ver\_tr\_agedel as a

left join select \* from test.goods

);

**quit**;