Libname E "E:\Downloads";

**data** j;

set E.Q2 (keep= CNAME TICKER ANNDATS ANALYS);

year=year(ANNDATS);

if year=**2017**;

**run**; /\* 3786372\*/

**data** U;

set J (keep=CNAME TICKER ANALYS);

**run**;/\*378252\*/

**proc** **sort** data=U out=Li noduplicate;

by CNAME;

**run**;/\*357268\*/

**proc** **summary** data=Li;

by CNAME;

output out=la;

**run**; /\*5052 company\*/

**proc** **sort** data=la out=lu;

by descending \_FREQ\_;

**run**;

**proc** **print** data = lu (obs = **30**); **run**;

**data** m;

set E.Q2 (keep= TICKER ANALYS ESTIMATOR ANNDATS VALUE);

year=year(ANNDATS);

**run**;

**proc** **sort** data=m nodupkey;

by year TICKER ANALYS ESTIMATOR;

**run**;

**proc** **sql**;

create table countnum as

select year, count(distinct TICKER ) as TICKER, count(distinct ANALYS ) as ANALYS, count(distinct ESTIMATOR) as ESTIMATOR

from m;

**quit**;

**proc** **sort** data=countnum nodupkey out=finallycount;

by year;

**run**;

**data** f ;

set E.Q2 (keep= TICKER ANALYS ANNDATS VALUE);

year=year(ANNDATS);

**run**;

**proc** **sort** data=f nodupkey;

by year TICKER ANALYS;

**run**;

**proc** **means** data=f nway noprint n mean median Q1 Q3;

class year TICKER;

var ANALYS;

output out=summary mean=analys median=analys\_ n=n;

**run**;

**PROC** **UNIVARIATE** DATA=summary;

VAR analys;

**RUN**;