

```
/* PROCEDURAL TRANSPOSE: */

/* IT DOES THE TRANSFORMATION FROM OBSERVATIONS TO VARIABLES AND VICE VERSA. */

.....
proc import datafile='/home/u63730693/my_sas/TRANSPOSE.xlsx'
    out=TRAN_2
    dbms=xlsx replace;
    sheet='T_2';
run;

/* THE DATASET SHOULD BE UNIQUE */

/* ROW TO COLUMN TRANSPOSE: */

/* SCENARIO-1: */

/* STEP-1: */
/* SORT THE DATASET */
PROC SORT DATA=WORK.tran_1 OUT=UNI_SORT;
BY CITY YEAR;
RUN;

/* STEP-2: */
/* DO THE TRANSPOSE */
.....
PROC TRANSPOSE DATA=WORK.UNI_SORT OUT=TARNSP_1(DROP=_:);
BY CITY;
ID YEAR;
VAR AMOUNT;
RUN;

/* SCENARIO-2: */
/* COMBINATION OF ROW TO COMBINATION OF COLUMN TRANSPOSE: */
.....
PROC TRANSPOSE DATA=WORK.UNI_SORT OUT=TARNSP_1(DROP=_:);
BY CITY;
ID YEAR COUNTRY;
VAR AMOUNT;
RUN;

/* COLUMN TO ROW TRANSPOSE: */
.....
PROC TRANSPOSE DATA=WORK.TARNSP_1 OUT=RC_TRANS(RENAME=(_NAME_=YEAR COL1=AMOUNT) WHERE=(NOT MISSING(AMOUNT)));
BY CITY;
RUN;
```