```
*Import dataset;
PROC IMPORT DATAFILE=REFFILE
    DBMS=CSV
    OUT=WORK.hospital;
    GETNAMES=YES;
RUN;

*check data info;
PROC CONTENTS DATA=WORK.hospital;
RUN;


%web_open_table(WORK.hospital);

*view dataset;
PROC PRINT data=hospital (obs=10);
RUN;

*remove 'Not Available' entries in Payment column;
DATA hospital_clean;
    SET hospital;
    IF Payment = 'Not Available' THEN DELETE;
RUN;

*select TX located dataset and hip/knee replacement patients;
DATA tx_hipknee;
    SET hospital_clean;
    IF State='TX' AND Payment_Measure_Name='Payment for hip/knee replacement patients';
RUN;


*convert Payment from char to numeric;
DATA tx_hipknee_clean;
    SET tx_hipknee;
    Payment_Amounts = INPUT(Payment,dollar10.);
    FORMAT numeric_var dollar10.;
RUN;

*detect outliers;
PROC UNIVARIATE DATA=tx_hipknee_clean TRIM=0.2 WINSOR=1;
   VAR Payment_Amounts;
ODS SELECT BasicMeasures TrimmedMeans WinsorizedMeans;
RUN;

PROC UNIVARIATE DATA=tx_hipknee_clean robustscale;
   VAR Payment_Amounts;
   ODS SELECT RobustScale;
RUN;

*plot graph;
ODS GRAPHICS / RESET WIDTH=6.4in HEIGHT=4.8in IMAGEMAP;

PROC SGPLOT DATA=WORK.TX_HIPKNEE_CLEAN;
    TITLE HEIGHT=14pt
```

```
        "Payment Amounts of Hip/Knee Replacement Patients in the State of Texas";
    HISTOGRAM Payment_Amounts / SHOWBINS NBINS=34 FILLATTRS=(color=CX007666
        TRANSPARENCY=0.25);
    DENSITY Payment_Amounts / TYPE=Kernel;
    XAXIS MAX=33000;
    YAXIS GRID;
RUN;

ODS GRAPHICS / RESET;
TITLE;
```