**proc** **import** out=estate datafile="D:\DATA ANALYSIS\sas documents\udemy02\datasets\datasets\realestate.xlsx" dbms=xlsx replace;

getnames=yes;

**run**;

\* correlation matrix;

**proc** **corr** data=estate;**run**;

\* regression;

**proc** **reg** data=estate;

model price = sqft;

**run**;

\* find average latitude;

**proc** **sql**;

create table lat as

select \*, AVG(latitude) as avglat

from estate

;**quit**;

\* create latitude dummy;

**data** latitude;

set lat;

if latitude >avglat then high=**1**;

else high=**0**;

**run**;

\* regression;

**proc** **reg** data=latitude;

model price = sqft high;

**run**;

\* classify calendar;

**data** cal;

set latitude;

weekday=substr(sale\_date,**1**,**3**);

**run**;

\* regression on weekdays;

**proc** **glm** data=cal;

class weekday;

model price = sqft high weekday / solution noint;

**run**;