```sas
libname sasdata '/home/u63657920/DSAN_685/Data';

proc import datafile='/home/u63657920/DSAN_685/Data/SLIDLogWagesClean.csv'
            out=SASDATA.wages_df
            dbms= csv replace;
            getnames=yes;
            datarow=2;
run;

proc contents data=sasdata.wages_df;
run;

proc print data=sasdata.wages_df;
run;

proc sgscatter data=sasdata.wages_df;
            matrix wages education age logwages;
            title 'Scatterplot Matrix for Continious Variables';
run;

proc sgplot data= sasdata.wages_df;
        scatter y=wages x=education / group=sex;
        title 'Scatterplot of wages and education by gender';
run;

proc sgplot data=sasdata.wages_df;
        scatter y=wages x=education / group=language;
        title 'Scatterplot of wages and education by language';
run;

proc reg data=sasdata.wages_df;
        model wages = education age;
        title 'Regression model using Education and Age Vriables as Regressors';
run;

proc reg data=sasdata.wages_df;
        model logwages = education age;
        title 'Regression model using Education and Age Vriables as Regressors';
run;

data grouping; /*Since the folder has not been named, this data will
save into temporary library called "WORK"*/
    set sasdata.wages_df;
gender=.;
language_reg=.;
if sex='Male' then gender=0;
if sex='Female' then gender=1;
if language='English' then language_reg=0;
if language='French' then language_reg=1;
if language='Other' then language_reg=2;
```

```sas
proc reg data=grouping;
      model wages = education age gender;
      title 'Regressors to predict wages';
run;

proc reg data=grouping;
      model logwages = education age gender;
      title 'Regressors to predict logwages';
run;

proc reg data=grouping;
      model wages = education age language_reg;
      title 'Regressors to predict wages';
run;

proc reg data=grouping;
      model logwages = education age language_reg;
      title 'Regressors to predict logwages';
run;
```