Feature Engineering:

**Class of worker attribute:**

* Federal Government, State Government, Central Government - "Government"
* Never Worked, without Pay: - “Not-Working"
* Self-employed-incorporated, Self-employed-not –incorporated:- "Self-Employed"

**Education attribute:**

* "10th grade" "12th grade no diploma" "5th or 6th grade" "9th grade" "Children” “High school graduate" "11th grade""1st 2nd 3rd or 4th grade" "7th and 8th grade" "Less than 1st grade" = "No Degree"
* "Some college but no degree”: High school
* "Master’s degree(MA MS MEng MEd MSW MBA)":Masters
* "Associates degree-occup /vocational”, Associates degree-academic program: Associates
* "Bachelors degree(BA AB BS)”:- Bachelors
* "Doctorate degree(PhD EdD)","Prof school degree (MD DDS DVM LLB JD)":"Doctorate"

**Citizenship attribute:**

* Native- Born in the United States, Native- Born abroad of American Parent(s), Native- Born in Puerto Rico or U S Outlying:- Native born
* "Foreign born- Not a citizen of U S",Foreign born- U S citizen by naturalization:Foregin born

**Marital Status:**

* Divorced , married spouse absent : Seperated

**Deleting :**

**Household and family**

"In group quarters which is not present in test data"

**House hold**

Deleting Group Quarters- Secondary individual which is not present in train data

Converting target variable to numeric for the correlation plot