```
THIS PROGRAM PLOTS HISTOGRAMS OF MOL PERCENT
FERROSILITE OR FAYALITE AND CALCULATES
WEIGHT PERCENT AND PERCENT MEAN DEVIATION OF FEO


OFFSET = 1
CELL WIDTH = 1
DATA (FA)
        27.4000
        25.6000
        27.3000
        29.6000
        25.7000
        28.0000
        25.1000
        26.7000
        27.8000
        26.6000
        25.8000
        26.5000
        25.4000
        25.2000
        28.9000
        24.6000
        26.8000
        24.4000
        25.8000
        26.3000
        26.6000
        25.1000
        25.1000
        24.8000
        27.9000
        28.0000
        27.2000
        26.1000
        24.5000
        26.1000
        25.7000
        25.3000
        26.1000
        27.4000
        24.9000
        25.5000
        27.2000
        28.6000
```

random olivines in

Nazareth

```
PERCENT MEAN DEVIATION OVER  38    OBSERVATIONS CONVERTED
TO WEIGHT PERCENT FEO (MEAN FEO WT%= 24.06951053   % ) IS::::
  3.640600798

N= 38
MEAN=      26.3579
STD.DEV=        1.3031
SKEWNESS=       0.5220
KURTOSIS=       2.4244
```