```
clear all;clc

x = [ 0.9 1.42 1.30 1.55 1.63 1.32 1.35 1.47 1.95 1.66 1.96 1.47 1.92
 1.35 1.05...
    1.85 1.74 1.65 1.78 1.71 2.29 1.82 2.06 2.14 1.27];

% summation of all values of x
summa = sum(x);

%mean is sum divided by no of terms
meanx = summa/length(x);

sum_diff_frommean = zeros(1,length(x));

sumofsq_diff_frommean = (meanx - x).^2;
sumofsq_diff_frommean;

variance = sum((sumofsq_diff_frommean))/length(x);

stddev = sqrt(variance);

coef_of_variation = (stddev/meanx)*100;

fprintf('\nThe mean is %g',meanx);
fprintf('\nThe variance  is %.3f',variance);
fprintf('\nThe standard deviation is %.3f',stddev);
fprintf('\nThe coefficient of variation is %.3f\n',coef_of_variation);
```

functions for finding the sun

```
function s = sum(x)
   s = 0;
  for i = 1:length(x)
      s = s + x(i);
  end

end
```

```
The mean is 1.6244
The variance  is 0.111
The standard deviation is 0.333
The coefficient of variation is 20.471
```

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