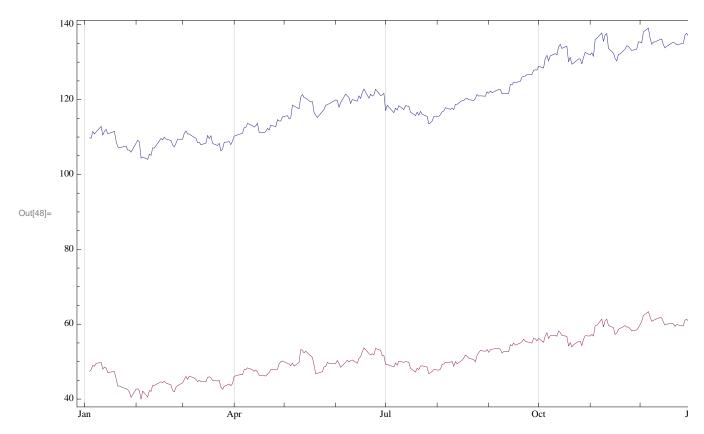
This is an example for testing GLD and GDX pair cointegration from Jan. 1, 2010 to Dec. 31, 2010.

Let's plot the time - series on a chart. Just because it's so easy to do so in Mathematica!

ln[48]:= DateListPlot[{gld, gdx}, Joined \rightarrow True]



Next let's calculate correlations.

```
\label{eq:local_local_local_local} $$ \ln[49]=$ Pearson[gld[[All, 2]], gdx[[All, 2]]] $$ out[49]=$ 0.980367
```

So GLD/GDX pair is highly correlated. Let's see if they are cointegrated.

 $Interpolating Function :: dmval : Input \ value \ \{-4.33857\} \ lies \ outside$

the range of data in the interpolating function. Extrapolation will be used. \gg

ADF::toosmall: p-value smaller than printed value

Out[50]= 0.01

This show that GLD/GDX pair has 99 % probability for cointegration