

## Excel with FRED: HW 5, the Phillips Curve for Japan

Economists use the “Phillips Curve” to examine the effects of price inflation on unemployment rates. This data is available on FRED and can be processed and illustrated using Excel in six steps.

1. Search FRED for Japanese unemployment rate data (JPNURHARMQDSMEI) 1960 to 2012. Search for Japanese inflation rate data (FPCPITOTLZGJPN) with the add data series function.
2. Make sure both data sets are in annual form, no quarterly. Download both into EXCEL.
3. Label Columns headings “Unemployment Rate” and “Inflation Rate”.
4. Block off data and insert into a scatter diagram.
5. Click on data points to add a polynomial trend line. Use insert-textbox to add label to trend line
6. Click on graph to access the “format plot area” and “format axis” functions. Reformat graph for clarity and style.