Available Graphs for Optimal Economist: An Implementation of Larsonian Econophysics

Individual Graph Scenarios

1 -- Same Savings Amount Each Year
2 -- Same Percent Change in Savings Amount Each Year
3 -- Projected Savings Based on Past Years

Company Graphs (Past and Projected)

Total Revenue
Net Earnings
Total Cost
Employees
Total Revenue Per Employee
Net Earnings Per Employee
Total Cost Per Employee
Relative Revenue Productivity, kR
Relative Cost Productivity, kC
kR/kC

Business Sector Graphs (Past and Projected)

Total Revenue
Net Earnings
Total Cost
Employees
Total Revenue Per Employee
Net Earnings Per Employee
Total Cost Per Employee
Total Cost to Total Revenue
**Country Graphs (Past and Projected)**

**Capital K**

**Investments I**

\( yvol_{obs} \): (dec. change in cap. util.)

\( cres \): (dec. change in cons. reservoirs)

\( r \): (interest rate)

**Empl. N**

\( avol \): (ratio of current no. to prev. no. of Empl.)

\( w, fw \): (dec. change in wages)

\( aprod \): (dec. change in productivity)

**Imports**

\( \Delta \text{Imports} \): (change in imports divided by GDP0)

**Exports**

\( \Delta \text{Exports} \): (change in exports divided by GDP0)

\( \text{NX} \): (exports – imports, equal to Gov. Deficit)

**M0** (high-powered money, base money supply)

\( g_{M0} \): (dec. change in money supply)

\( g_{eff} \): (effective dec. change in money supply)

\( g_{opt0} \): (dec. change in money supply to obtain 0\% inflation)

\( g_{optm1} \): (dec. change in money supply to get -1\% inflation)

\( g_{eff}/g_{M0} \): (ratio of effective to actual change in money supply)

**Infl. _obs %**

**GDP _obs.**
gr% GDP_obs.
GDP w/proj. factors
gr% GDP w/proj. factors
GDP w/mean factors
gr% GDP w/mean factors
Government Spending G
Total Consumption C
Total National Saving S
Effective Tax Rate tau_Kw
wages plus investment income per employee wb
taxes per employee
disposable income per employee disp
consumption per employee c
savings per employee s
savings rate of employees sr
zp_obs (dec. change in price due to change in cres and yvol)
r_true (interest rate after taxes and depreciation)
CPI_obs
Imports/GDP_obs
Exports/GDP_obs
v_M0 (dec. change in vel. of circ. based on M0)
v_g_eff (dec. change in vel. of circ. based on g_eff)
Vel. Circ.
Total Taxes T