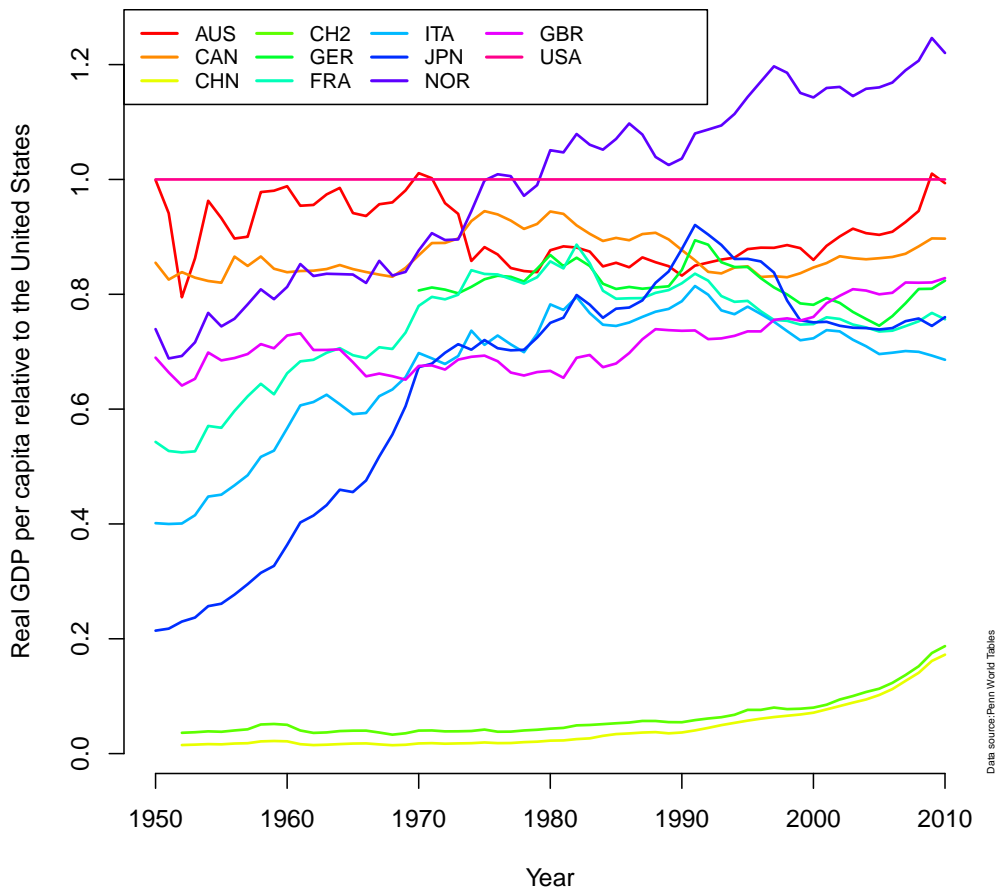


# Real GDP per capita relative to the United States

July 18, 2013

## **A** File attachments

1. [LaTeX source file for this document](#)
2. [R script to compute ratios and plot the figure](#)
3. [PWT data file](#)



**Figure 1:** Real GDP per capita relative to the United States

## B R script

```
rm(list=ls())

setwd("/Users/espen/downloads/")

library(gtools)
library(gdata)

pwt71 <- read.csv("pwt71_wo_country_names_wo_g_vars.csv")

countries <- c("AUS", "CAN", "CHN", "CH2", "GER", "FRA", "ITA", "JPN", "NOR", "GBR", "USA")

subset <- {data.frame(isocode <- pwt71$isocode,
                      year <- pwt71$year,
                      rgdp <- pwt71$rgdpl)}

pwt.gdp <- NULL
for(i in 1:length(countries)){
  pwt.gdp <- cbind(pwt.gdp, subset[subset$isocode == countries[i],]$rgdp)
}
dimnames(pwt.gdp)[[2]] <- countries
pwt.gdp <- ts(pwt.gdp, start=1950, frequency=1)

gdpl.rel.usa <- pwt.gdp[, (1:length(countries))] / pwt.gdp[, (length(countries))]
dimnames(gdpl.rel.usa)[[2]] <- countries
gdpl.rel.usa <- ts(gdpl.rel.usa, start=1950, frequency=1)

palette(rainbow(ncol(gdpl.rel.usa)))
ts.plot(gdpl.rel.usa, gpars=list(xlab="Year", ylab="Real_GDP_per_capita_relative_to_the_United_States", col=c(1:ncol(gdpl.rel.usa)), lwd = 1.75, axes=F))
axis(1, labels=dimnames(ncol(gdpl.rel.usa))[[2]], las=1)
axis(2)
legend("topleft", legend = countries, cex=.8, ncol=5, lwd=2.0, col=c(1:ncol(gdpl.rel.usa)))
mtext("Data_source: Penn_World_Tables", side=4, line=-.2, cex=.4, adj=0)
dev.print(device=pdf, file="pwtrelGDPpercapita.pdf")
```