World Development Indicators (WDI)

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Contents

Preamble

```
rm(list = ls())
pklist <- c("tidyverse", "curl")
source("https://fgeerolf.github.io/datasets/load-packages.R")
```

Prepare Data

```
load("WDI.RData")
load("WDI.variable.nobs.RData")


plotfun <- function(series, countrylist){
  WDI %>%
    filter(Country.Name %in% countrylist,
           Indicator.Code == series) %>%
    mutate_at(vars(-value), funs(paste)) %>%
    mutate(year = as.numeric(year),
         value = round(value, digit = 1)) %>%
    ggplot(data = ., aes(x = year, y = value, linetype = Country.Name)) +
    geom_line() +
    theme_bw() +
    ggtitle(WDI.variable.nobs %>%
              filter(Indicator.Code == series) %>%
              select(Indicator.Name) %>%
              unlist)
}
```

Here is the list of countries:

```
list.countries <- c("France", "Germany", "Japan", "United Kingdom", "United States")
list.countries
```

```
[1] "France"          "Germany"          "Japan"             "United Kingdom"
[5] "United States"
```

Here is the list of variables:

```
list.variables <- c("SL.IND.EMPL.ZS", "SL.AGR.EMPL.ZS", "SL.SRV.EMPL.ZS",
                    "BN.CAB.XOKA.GD.ZS", "TG.VAL.TOTL.GD.ZS", "BG.GSR.NFSV.GD.ZS")
WDI.variable.nobs %>%
  filter(Indicator.Code %in% list.variables)
```

```
# A tibble: 6 x 3
  Indicator.Code    Indicator.Name                                    nobs
  <chr>             <chr>                                             <int>
1 BG.GSR.NFSV.GD.~  Trade in services (% of GDP)                      7828
2 BN.CAB.XOKA.GD.~  Current account balance (% of GDP)                6063
3 SL.AGR.EMPL.ZS    Employment in agriculture (% of total employment~  6291
4 SL.IND.EMPL.ZS    Employment in industry (% of total employment) (~  6291
5 SL.SRV.EMPL.ZS    Employment in services (% of total employment) (~  6291
6 TG.VAL.TOTL.GD.~  Merchandise trade (% of GDP)                      11444
```
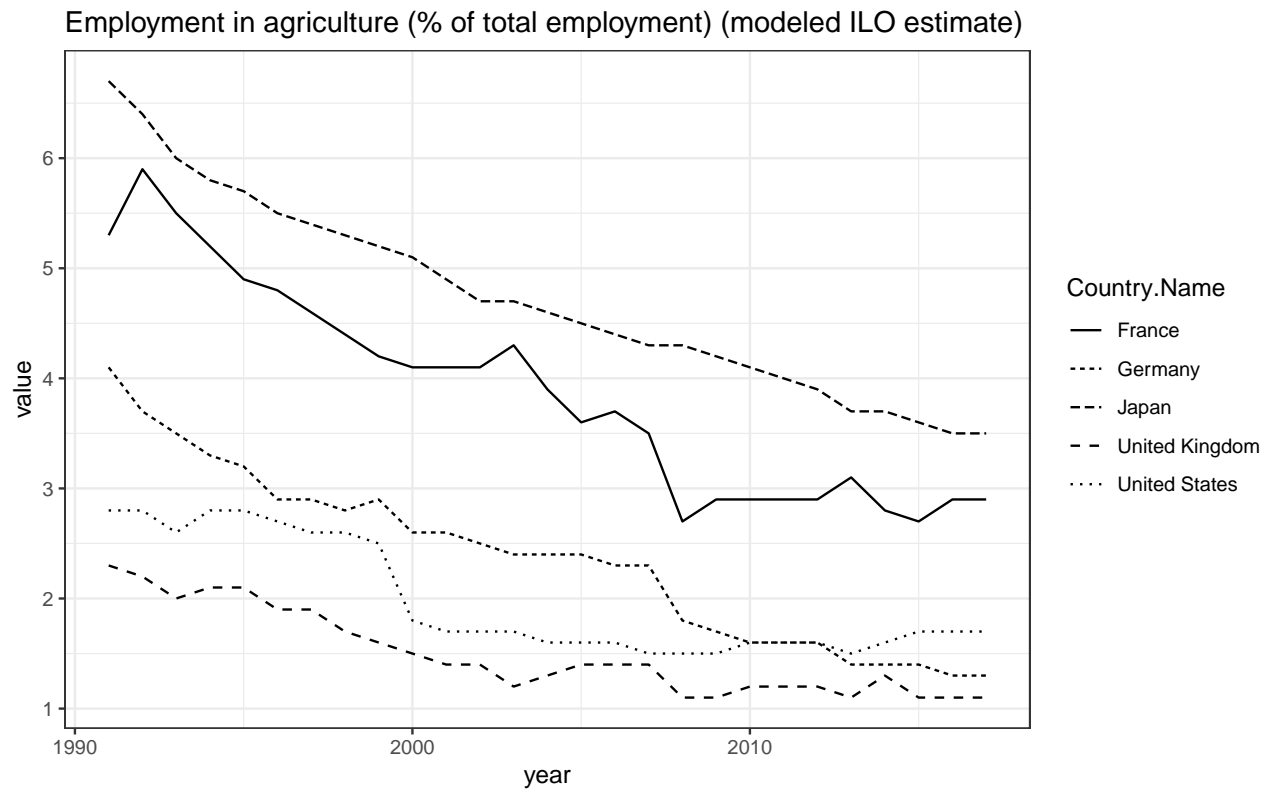
Plots

Employment in industry
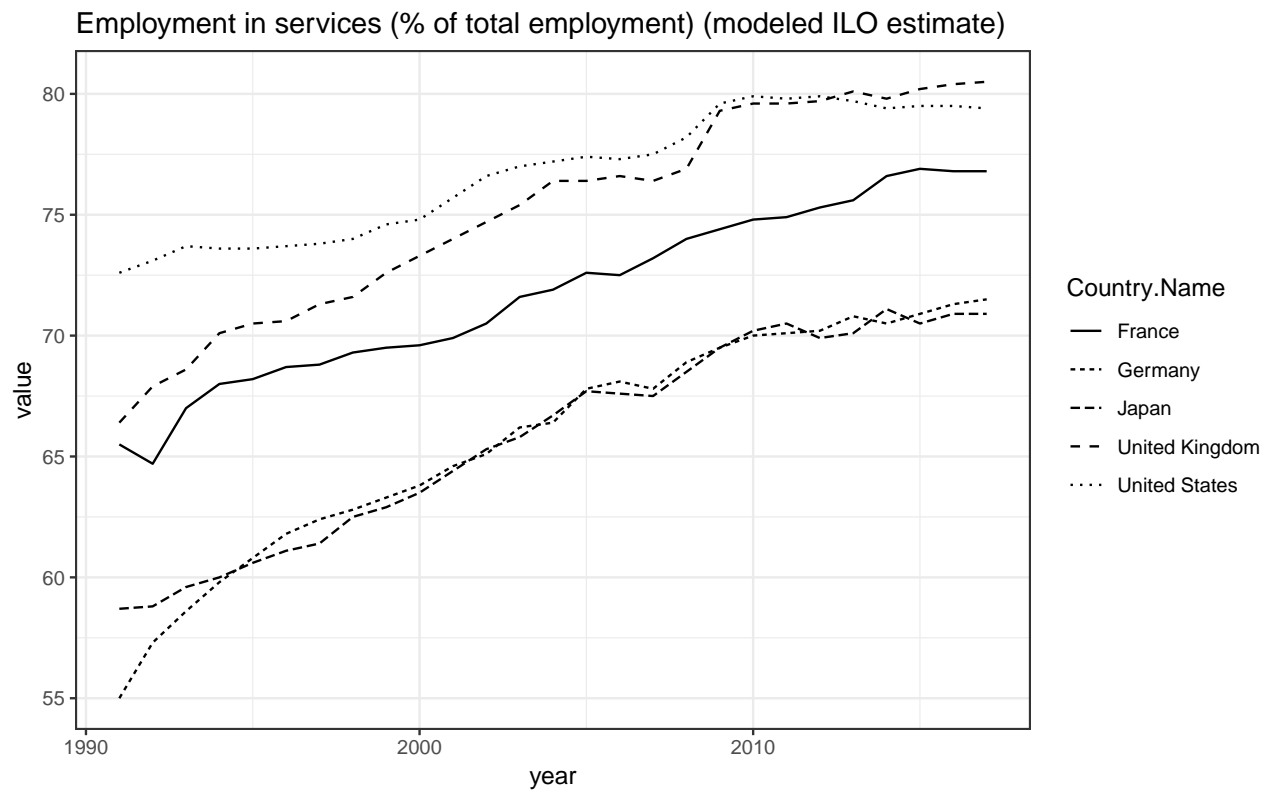
```
plotfun(list.variables[1], list.countries)
```
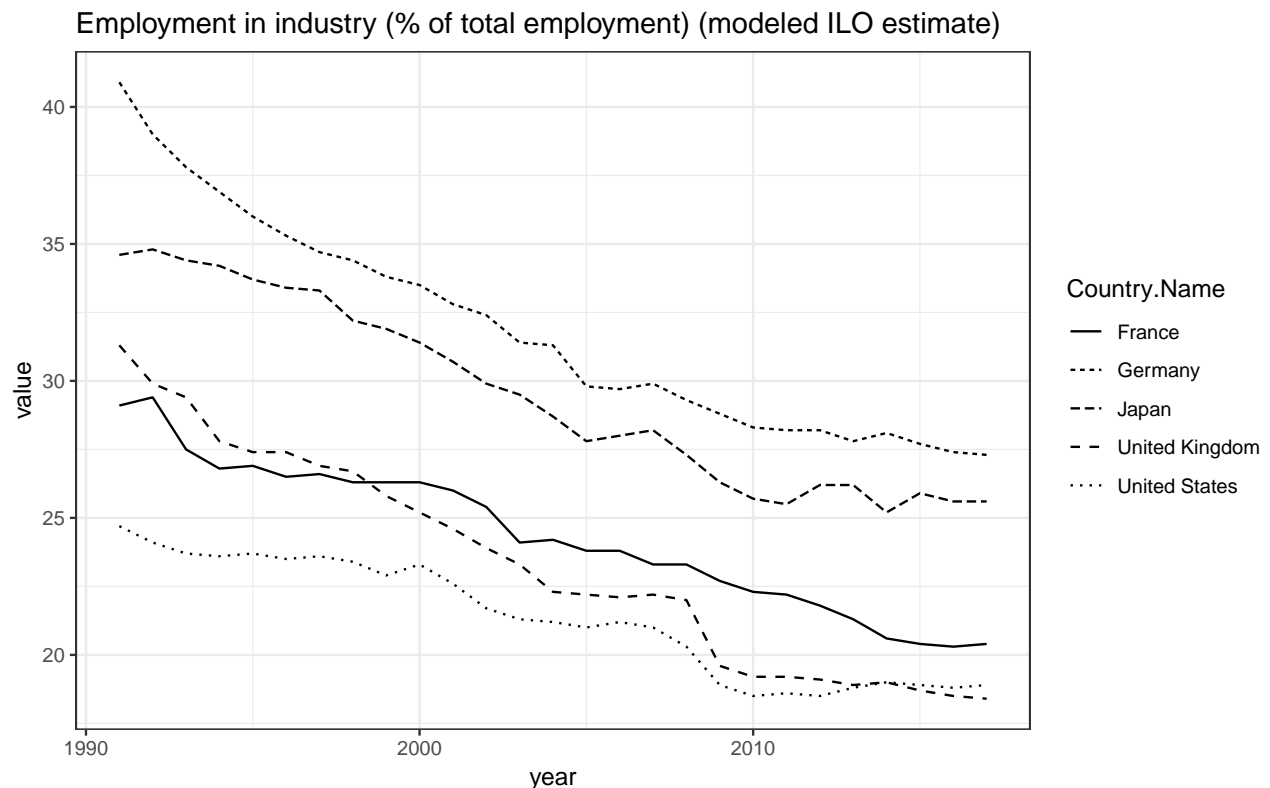
Employment in agriculture
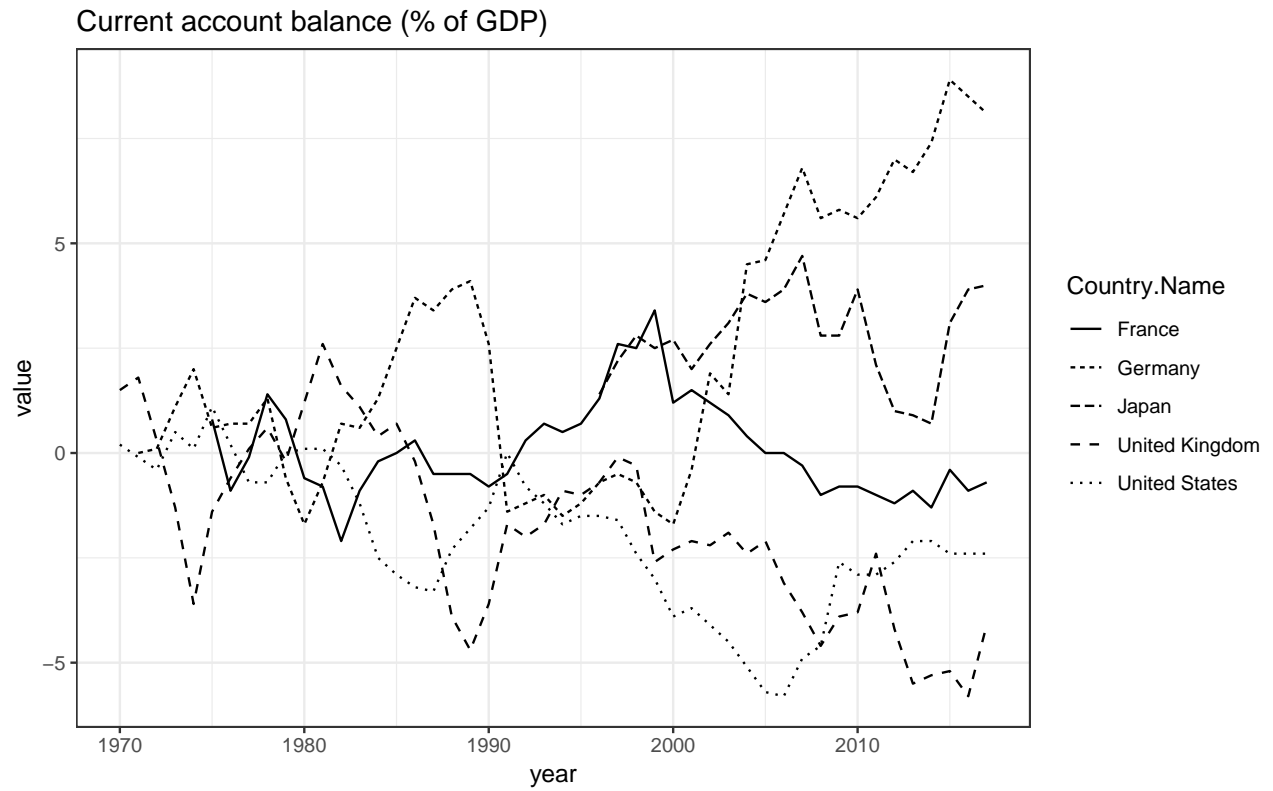
```
plotfun(list.variables[2], list.countries)
```

Employment in agriculture (% of total employment) (modeled ILO estimate)

Employment in services

```
plotfun(list.variables[3], list.countries)
```

Employment in services (% of total employment) (modeled ILO estimate)

CA Balance

```
plotfun(list.variables[4], list.countries)
```

Current account balance (% of GDP)

Merchandise trade

```
plotfun(list.variables[5], list.countries)
```

Merchandise trade (% of GDP)

Trade in services

```
plotfun(list.variables[6], list.countries)
```

Trade in services (% of GDP)