ILO - Download

Datasets

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Presentations

The bulk data from the International Labor Organization is available here.

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```
"https://www.ilo.org/ilostat-files/WEB_bulk_download/indicator/table_of_contents_en.csv" %>%
  read.csv %>%
  select(id, indicator.label) %>%
  mutate(indicator.label = indicator.label) %>%
  as.tibble
```

```
# # A tibble: 479 x 2
#    id               indicator.label
#    <fct>            <fct>
#  1 GDP_211P_NOC_NB_A  Output per worker (GDP constant 2011 international ~
#  2 GDP_205U_NOC_NB_A  Output per worker (GDP constant 2010 US $) -- ILO m~
#  3 POP_2LDR_NOC_RT_A  Labour dependency ratio -- ILO modelled estimates, ~
#  4 POP_2POP_SEX_AGE_~ Population by sex and age -- UN estimates and proje~
#  5 POP_2POP_SEX_AGE_~ Population by sex, age and rural / urban areas -- U~
#  6 POP_2POP_GEO_NB_A  Population by rural / urban areas -- UN estimates a~
#  7 EAP_2EAP_SEX_AGE_~ Labour force by sex and age -- ILO modelled estimat~
#  8 EAP_2MDN_SEX_NB_A  Median age of the labour force by sex -- ILO modell~
#  9 EAP_2WAP_SEX_AGE_~ Labour force participation rate by sex and age -- I~
# 10 EMP_2EMP_SEX_AGE_~ Employment by sex and age -- ILO modelled estimates~
# # ... with 469 more rows
```

Manufacturing

```
url.folder <- "https://www.ilo.org/ilostat-files/WEB_bulk_download/indicator/"

file <- "EMP_TSRV_NOC_RT_A.csv.gz"
download.file(paste0(url.folder, file), file)
data.manuf <- read.table(file, sep = ",", header = TRUE)
unlink(file)
```
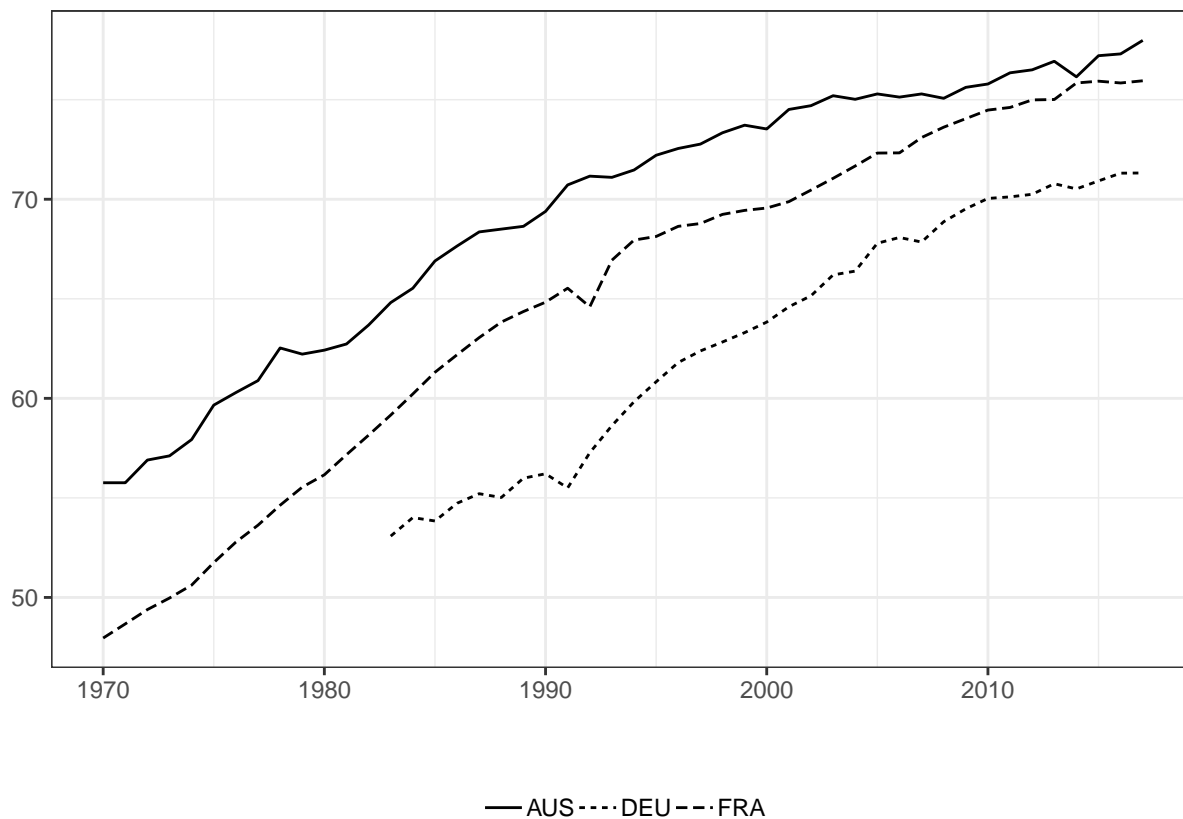
```
data.manuf %>%
  select(variable = ref_area, year = time, value = obs_value) %>%
  filter(variable %in% c("FRA", "DEU", "AUS")) %>%
  na.omit %>%
  ggplot(aes(x = year, y = value, linetype = variable), data = .) +
  geom_line() + theme_bw() + xlab("") + ylab("") +
  theme(legend.position = "bottom",
        legend.title = element_blank()) +
  scale_x_continuous(breaks = seq(1960, 2020, 10))
```


Unemployment

There is a lot of data from the International Labour Organization on Unemployment across countries.

```
file <- "UNE_TUNE_SEX_AGE_DUR_NB_Q.csv.gz"
download.file(paste0(url.folder, file), file)
data.unemp <- read.table(file, sep = ",", header = TRUE)
```

```r
unlink(file)
```

```r
data.unemp %>%
  select(variable = ref_area, yearqtr = time, sex, classif1, classif2, value = obs_value) %>%
  mutate(yearqtr = yearqtr %>% paste,
         yearqtr = yearqtr %>% substr(1, 4) %>% as.numeric +
           (yearqtr %>% substr(6, 6) %>% as.numeric - 1)/4) %>%
  filter(variable %in% c("FRA", "DEU", "AUS"),
         sex == "SEX_T",
         classif1 == "AGE_AGGREGATE_TOTAL",
         classif2 == "DUR_DETAILS_X") %>%
  na.omit %>%
  ggplot(aes(x = yearqtr, y = value, linetype = variable), data = .) +
  geom_line() + theme_bw() + xlab("") + ylab("") +
  theme(legend.position = "bottom",
        legend.title = element_blank()) +
  scale_x_continuous(breaks = seq(1940, 2020, 10))
```