

ILO

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Summary

The International Labour Organization (ILO) is an agency of the United Nations concerned with global labor rights and standards. The organization's statistics branch, ILOSTAT, aggregates and processes data from national labor statistics agencies. The Pardee center uses ILOSTAT for statistics on employment, wages, the informal economy, and other topics related to labor. For detailed instructions on pulling data from ILOSTAT, visit the Pulling Data From ILO Wiki page.

ILO Data series

World Bank: Loayza Informal Labor Forecasts

The informal labor forecast series uses the “Toolkit for Informality Scenario Analysis”, created by Norman Loayza, to code information on forecasts for the formal and modern informal labor sectors for 96 countries, and covers the years 2010, 2020 and 2030. The projections are based on the model described in Loayza (2016) “Informality in the Process of Development and Growth,” Policy Research Working Paper WPS7858, World Bank. In the tool, the labor force is allocated into three sectors: the formal sector, the modern informal sector, and a rudimentary informal sector. The aim of the tool is to allow users to generate estimates of the size and evolution of informal labor, using historical data and exogenous projections from the ILO and World Bank, as well as estimates of key parameters from the literature.

IFs has drawn primarily on their forecasts for the formal labor and modern informal labor sector.

Loayza, Norman. 2016. Informality in the Process of Development and Growth. Policy Research Working Paper no. WPS7858. Washington, D.C.: World Bank Group. <http://documents.worldbank.org/curated/en/998481476291165295/Informality-in-the-process-of-development-and-growth>

Instructions on Importing Informal Labor Forecast data into IFs:

This section explains the methodology that is to be followed when importing Informal Labor forecast data from Loayza into IFs. It also describes certain problems that a user might face in interpreting and understanding the data.

Source: Informal labor data is published by The World Bank. The data is available at this website, <https://data.worldbank.org/data-catalog/informality-scenario-analysis>

Types of data: Following categories of data need to be imported into IFs:

1. **Baseline Formal Labor Forecast**-Labor productivity grows at the same rate as labor costs in the formal labor sector

2. **Reformist Formal Labor Forecast**-Labor productivity grows at a faster rate than labor costs in the formal labor sector

3. **Baseline Informal Labor Forecast**- Labor productivity grows at the same rate as labor costs in the informal labor sector

4. **Reformist Informal Labor Forecast**- Labor productivity grows at a faster rate than labor costs in the informal labor sector

These can be found within the Toolkit spreadsheet, on the user-friendly Menu tab. The options we are concerned with are: **Basic Scenario Selected** (Baseline/Reformist) and **Range for Background Data** (earliest to most recent).

The screenshot displays the 'Basic Options' section of the spreadsheet. The form includes the following fields and values:

- Country or Region: Peru
- Basic Scenario Selected: Baseline
- Range for Background Data (default is 2008-2012): Min: 1990, Max: 2012
- Capital share (alpha): constant=0.5
- Absolute % difference in growth rates of labor cost and productivity under reformist or populist scenario (default is 1%): 1
- Alternative allocation of unemployment in modern informal sector:
 - Formal: 50%
 - Modern Informal: 50%
 - Rudimentary Informal: 0%

The chart on the right shows the percentage distribution of labor across three sectors for 2010 and 2020. The y-axis represents the percentage from 0% to 100%. The x-axis shows the years 2010 and 2020. The bars are stacked with blue at the bottom, pink in the middle, and red at the top. The 2010 bar shows approximately 25% blue, 35% pink, and 40% red. The 2020 bar shows approximately 30% blue, 45% pink, and 25% red.

A summary of the Formal labor and Modern Informal Labor projections for all countries can be found at the bottom of the page.

Excel spreadsheet showing a table of labor projections for various countries from 2010 to 2030. The table is titled "Projections for all countries from 2010 to 2030" and includes a subtitle: "Basic Options. Scenario: Baseline, Capital share: constant=0.5, range for background data: 1990-2012, excluding outliers and countries with population below 1 million".

Category	Region	Country Code	Country	Formal labor			Modern Informal Labor			Rudimentary Informal Labor		
				2010	2020	2030	2010	2020	2030	2010	2020	2030
Developing	ECA	ALB	Albania	39%	57%	75%	10%	22%	20%	51%	21%	5%
Developing	LAC	ARG	Argentina	47%	52%	56%	34%	40%	39%	20%	8%	5%
Developed	OECD	AUS	Australia	85%	90%	90%	5%	5%	5%	10%	5%	5%
Developed	OECD	AUT	Austria	87%	90%	90%	5%	5%	5%	8%	5%	5%
Developing	SSA	BDI	Burundi	6%	8%	10%	6%	8%	10%	88%	84%	81%
Developed	OECD	BEL	Belgium	83%	90%	90%	5%	5%	5%	12%	5%	5%
Developing	SSA	BEN	Benin	5%	5%	5%	6%	6%	6%	89%	89%	89%
Developing	SA	BGD	Bangladesh	4%	5%	8%	27%	46%	85%	69%	49%	7%
Developing	ECA	BGR	Bulgaria	73%	77%	77%	18%	18%	18%	9%	5%	5%
Developing	LAC	BOL	Bolivia	13%	14%	18%	36%	41%	54%	51%	45%	28%
Developing	LAC	BRA	Brazil	58%	72%	78%	14%	21%	17%	28%	7%	5%
Developing	SSA	BWA	Botswana	17%	21%	21%	61%	74%	74%	22%	5%	5%
Developing	SSA	CAF	Central African Republic	4%	3%	3%	9%	7%	6%	86%	90%	92%
Developed	OECD	CAN	Canada	81%	90%	90%	5%	5%	5%	14%	5%	5%
Developed	OECD	CHF	Switzerland	86%	90%	90%	5%	5%	5%	9%	5%	5%

Instructions on Pulling ILO Data Series (Preprocessor and Non-preprocessor series):

The following section is on how to pull data series from the ILO website for importing into IFs

Source: www.ilo.org/ilostat

Series:

LaborInformalFemale%FormalSec, LaborInformalMale%FormalSec

1. Go to www.ilo.org/ilostat
2. Click "Download" in banner at the top
3. Under Select Indicators, choose:
 1. Employment > Informal employment and informal sector as a percent of employment by sex
4. Make sure all years are selected in "Time & Frequency"
5. Download
6. Filter by Sex (Female or Male) and Economic Activity (Total)

LaborParRate15PlusFemale%, LaborParRate15PlusTotal%

LaborParRate15PlusMale,

1. Go to www.ilo.org/ilostat
2. Click "Download" in the banner at the top

3. Under Select Indicators, choose:
 1. Population and labor force > Labor force participation rate by sex and age
4. Make sure all years are selected in "Time & Frequency"
5. Download
6. Filter by Sex (Female, Male, or Total)

LaborWageSexRatio

1. Go to www.ilo.org/ilostat
2. Click "Download" in banner at the top
3. Under Select Indicators, choose:
 1. Earnings and labour cost > mean nominal monthly earnings of employers by sex and economic activity
4. Make sure all years are selected in "Time & Frequency"
5. Download
6. Filter `classif1.label` by Activity(Total)
7. Divide Female country-year rate by male

Labor15PlusFemale, Labor15PlusMale, Labor15PlusTotal

1. Go to www.ilo.org/ilostat
2. Click "Download" in banner at the top
3. Under Select Indicators, choose:
 1. ILO modelled estimates > Labour Force by sex and age - ILO modelled estimates
4. Download
5. Filter by Age (15+)
6. Filter by sex
7. Divide observed value by 1,000 (data provided in thousands, ILO requires millions as the units for this series)

LabInformNonAgFemale, LabInformNonAgMale, LaborInformNonAgTotal

1. Go to www.ilo.org/ilostat
2. Click "Download" in banner at the top
3. Under Select Indicators, choose:
 1. Employment > Informal employment and informal sector as a percent of employment by sex
4. Download
5. Filter by `classif1.label` (Activity: Non-agriculture)
6. Filter by `classif2.label` (Component: Informal employment)
7. Filter by sex

Labor InformalFemale&AllProdInformal, LaborInformalMale%AllProdInformal

1. Go to www.ilo.org/ilostat
2. Click "Download" in banner at the top
3. Under Select Indicators, choose:
 1. Employment > Informal employment and informal sector as a percent of employment by sex
4. Download
5. Filter by `classif2.label` (Component: Informal employment)
6. Divide sex country-year by total country-year

LaborWageMeanNominalFemale, LaborWageMeanNominalTotal

LaborWageMeanNominalMale,

1. Go to www.ilo.org/ilostat
2. Click "Download" in banner at the top
3. Under Select Indicators, choose:
 1. Earnings and labour cost > Mean nominal monthly earnings of employees by sex and occupation
4. Download
5. Filter by `classif1.label`(Total)
6. Filter by Sex

LaborInformalAll, LaborInformalFemale, LaborInformalMale

1. Go to www.ilo.org/ilostat
2. Click "Download"
3. Under Select Indicators, choose:
 1. Employment > Informal employment and informal sector by sex
4. Download
5. Filter by `classif1.label` (Component: Informal Employment)
6. Filter by sex

Population15PlusFemale, Population1PlusMale, Population15PlusTotal

1. Go to www.ilo.org/ilostat
2. Click "Download" in banner at the top
3. Under Select Indicators, choose:
 1. Population and labour force > Working-age population by sex and age
4. Download
5. Filter by `classif1.label` (15+)
6. Filter by sex

WageRatio

1. Go to www.ilo.org/ilostat

2. Click "Download" in banner at the top
 3. Under Select Indicators, choose:
 1. Earnings and labour cost > Mean nominal monthly earnings of employees by sex and economic activity
 4. Download
 5. Filter by `classif1.label (Activity:Total)`
 6. Divided female country-year by male country-year
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