World Development Indicators

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There are 380 series pulled from the World Development Indicators (WDI) in 2017. 72 of these are used in the preprocessor.

The most extensive and reliable source for socio-economic and development data is probably World Bank's annually published World Development Indicators (WDI) database. The recent WDI, published in 2017, has approximately 1,500 indicators for 217 economies. Economies in WDI have been organized in 18 groups based on income, geography, and indebtedness criteria. Data in the WDI database are categorized in six major areas: overview, people, environment, economy, states and markets, and global links.

The major advantage of the WDI database is that it has longer time series coverage, for example, most of the indicators cover data since 1960. The World Bank collects data for particular series from the organizations who are pioneers in those areas. For example, WDI compiles external account data, like export, import, current account, debt etc. from the International Monetary Fund (IMF), and population data from United Nations Population Division. Major data sources for WDI are World Bank national accounts data, OECD National Accounts, Food and Agriculture Organization, United Nations Educational, Scientific, and Cultural Organization, World Health Organization, International Labor Organization, International Telecommunication Union etc. WDI database are available in three formats- online, published report in hard copy and CDROM version.

Some financial data series from the WDI database, used in IFs analysis, have been converted into billion US$ from current prices at US$ and some series related to population have been transformed into million figures. The IFs system also needed to calibrate some data series as percent of GDP in constructing social accounting matrices.

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Contents

Series pulled from 2017 WDI Batch Pull

Table	Group	Definition	Source	Last IFs Update	UsedInPreprocessor	Years
SeriesImportGoods	Economic, Trade	Imports of goods (current currency)	WDI BATCH PULL	2017/06/13	No	
SeriesLandIr%	Environment, Infrastructure, Water	Land use, irrigated land (% of cropland)	WDI BATCH PULL	2017/06/13	No	
SeriesLabor	Economic	Labor force size	WDI BATCH PULL	2017/06/13	Yes	
SeriesLaborFemale%	Economic	Portion of labor force made up by women	WDI BATCH PULL	2017/06/13	Yes	
SeriesLaborSecInd%Tot	Economic	Labor in industry as % of total	WDI BATCH PULL	2017/06/13	Yes	
SeriesHouseCon%GDP	Economic	Household final consumption expenditure as percent of GDP	WDI BATCH PULL	2017/06/13	Yes	
SeriesGovMilPers%Labor	Government	Military personnel as percent of labor force	WDI BATCH PULL	2017/06/13	No	
SeriesGini	SocioPolitical	Gini index of income inequality (lower = more equal)	WDI BATCH PULL	2017/06/13	No	
SeriesLaborSecSer%Tot	Economic	Labor in services as % of total	WDI BATCH PULL	2017/06/13	Yes	
SeriesGovTaxGoodSer%Rev	Government	Taxes on goods and services % of revenue	WDI BATCH PULL	2017/06/13	No	
SeriesVaddInd%	Economic	Value added in industry as percent of GDP	WDI BATCH PULL	2017/06/13	Yes	
SeriesArmsImp%TotImp	Economic, Trade	Arms imports (SIPRI trend indicator values)	WDI BATCH PULL	2017/06/13	Yes	
SeriesOresMetsIm%MerchIm	Economic	Ores and Metals imports as % of merchandise imports	WDI BATCH PULL	2017/06/13	Yes	
SeriesGovTaxIncProCG%Rev	Government	Taxes on income, profits and capital gains % total revenue	WDI BATCH PULL	2017/06/13	No	
SeriesGovTaxRev%GDP	Government	Tax revenue % of GDP	WDI BATCH PULL	2017/06/13	No	
SeriesGovTaxTrade%Rev	Government	Taxes on international trade (% of revenue)	WDI BATCH PULL	2017/06/13	No	
SeriesGovtCurRev%GDP	Government	Current government revenue as % of GDP	WDI BATCH PULL	2017/06/13	Yes	
SeriesGovtDebt%GDP	Government	Central government debt as % of GDP	WDI BATCH PULL	2017/06/13	Yes	
SeriesEnProdElec%Hydro	Energy, Infrastructure	Electricity production from hydroelectric sources (% of total)	WDI BATCH PULL	2017/06/13	No	
SeriesEnProdElec%Nuc	Energy, Infrastructure	Electricity production from nuclear sources (% of total)	WDI BATCH PULL	2017/06/13	No	
SeriesPopAsylumSeekers	Population	Inflow of refugees in millions (country of asylum)	WDI BATCH PULL	2017/06/13	No	
SeriesVaddMan%	Economic	Value added in manufacturing as percent of GDP	WDI BATCH PULL	2017/06/13	Yes	
SeriesGDPCurDol	Economic	Gross Domestic Product in Current US$	WDI BATCH PULL	2017/06/13	Yes	
SeriesPopForeign%	Population	Foreign population as % of total population	WDI BATCH PULL	2017/06/13	Yes	
SeriesICTCommCompIm%Ser	Information Communication,Infrastructure, Trade	Communications, computer, etc. imports as % of service imports	WDI BATCH PULL	2017/06/13	No	
SeriesIncBelow2Dollar%WDI2009	SocioPolitical	Population below poverty line of $2 per day PPP	WDI BATCH PULL	2017/06/13	No	

SeriesIncPovertyRural%Pop	SocioPolitical	Income, poverty headcount, rural (% of population)	WDI BATCH PULL	2017/06/13	No	
SeriesIncPovertyUrban%Pop	SocioPolitical	Income, poverty headcount, urban (% of population)	WDI BATCH PULL	2017/06/13	No	
SeriesInflation	Economic	Inflation of consumer prices, annual rate	WDI BATCH PULL	2017/06/13	No	
SeriesIncBelow2Dollar%WDI2011	SocioPolitical	Population below poverty line of $2 per day PPP (2005)	WDI BATCH PULL	2017/06/13	Yes	
SeriesEnProdElec%Coal	Energy, Infrastructure	Electricity production from coal sources (% of total)	WDI BATCH PULL	2017/06/13	No	
SeriesTaxOther%CurRev	Government	Other taxes as % of total govt revenue	WDI BATCH PULL	2017/06/13	No	
SeriesTaxProducts	Government	Taxes on products (net indirect taxes)	WDI BATCH PULL	2017/06/13	No	
SeriesExportHighTech%Man	Economic, Infrastructure, Trade	High technology exports, % of manufactured exports	WDI BATCH PULL	2017/06/13	No	
SeriesTaxRev%GDP	Government	Tax revenue as a percent of GDP	WDI BATCH PULL	2017/06/13	No	
SeriesXNetCapitalAccount	Economic	Net capital account	WDI BATCH PULL	2017/06/13	No	
SeriesXNetCurTransfers	Economic	Net current transfers with ROW (of residents, no repayment provisions), billion US$	WDI BATCH PULL	2017/06/13	No	
SeriesXNetIncFrmAbr	Economic	Net income from abroad, billion current US$	WDI BATCH PULL	2017/06/13	No	
SeriesExportsGoodsServices	Economic, Trade	Exports of goods and services (current currency)	WDI BATCH PULL	2017/06/13	No	
SeriesGovSubTrans%CurExp	Government	Government subsidies and transfers as % of current expenditures	WDI BATCH PULL	2017/06/13	No	
SeriesImportsGoodsServices	Economic, Trade	Imports of goods and services (current currency)	WDI BATCH PULL	2017/06/13	No	
SeriesHealthSmokingFemales%	Population, Health	Smoking prevalence, age adjusted, females (% of adults)	WDI BATCH PULL	2017/06/13	No	
SeriesInterestRatesReal	Economic	Real interest rates (as measured by GDP deflator)	WDI BATCH PULL	2017/06/13	No	
SeriesXDebtPPGTDS	Economic	External long-term (more than 1 year) debt: public or publically guaranteed (not private unguaranteed)	WDI BATCH PULL	2017/06/13	No	
SeriesXDebtPNG%GDP	Economic	External debt, private non-guaranteed, as percentage of gross domestic product	WDI BATCH PULL	2017/06/13	Yes	
SeriesXDebtPPG%GDP	Economic	External debt, public and publicly guaranteed, as percentage of gross domestic product	WDI BATCH PULL	2017/06/13	Yes	
SeriesXFlowsIDA%GDP	Economic	Net flows from IDA as % of GDP	WDI BATCH PULL	2017/06/13	Yes	
SeriesHealthMeaslesImmunRate	Population, Health	Immunization, measles (% of children ages 12-23 months)	WDI BATCH PULL	2017/06/13	No	
SeriesXReservesMthImports	Economic	Total reserves in months of imports	WDI BATCH PULL	2017/06/13	No	
SeriesPopulationWDIFilled	Population	Population	WDI BATCH PULL	2017/06/13	No	
SeriesHealthDPTImmunRate	Population, Health	Children 12-23 months immunized DPT	WDI BATCH PULL	2017/06/13	No	

SeriesHealthExpperCap	Population, Health	Health expenditures per capita	WDI BATCH PULL	2017/06/13	No	
SeriesHealthPhysiciansper1000	Population, Health	Physicians per 1000 population	WDI BATCH PULL	2017/06/13	No	
SeriesICTTelephoneMobileper1000	Information Communication,Infrastructure	Telephones, mobile per 1000 population	WDI BATCH PULL	2017/06/13	No	
SeriesExportsGoodsServicesIncome	Economic, Trade	Exports of goods, services, and primary income (BoP, current currency)	WDI BATCH PULL	2017/06/13	No	
SeriesExportValueIndex	Economic, Trade	Export value index (2000=100)	WDI 2015 September BATCH PULL	2017/06/13	No	
SeriesExportsMerchandise	Economic	Exports of merchandise (current currency)	WDI BATCH PULL	2017/06/13	Yes	
SeriesGovWBDoingBusinessCustomsDays	Government	Number of days required to clear customs	WDI BATCH PULL	2017/06/13	No	
SeriesXNetTradeinGoods	Economic	Net trade in goods	WDI BATCH PULL	2017/06/13	No	
SeriesXNetTradeinGoodsServices	Economic	Net trade in goods and services	WDI BATCH PULL	2017/06/13	No	
SeriesXPortInvExclLCFAR	Economic	Portfolio investment excluding LCFAR	WDI BATCH PULL	2017/06/13	No	
SeriesGovtHl%GDP	Government, Health, Infrastructure	Health expenditures as percent of GDP, public	WDI BATCH PULL	2017/06/13	Yes	
SeriesHealthBrthsAttnSkilledPersWDI	Population, Health	Births attended by skilled health staff (% of total)	WDI BATCH PULL	2017/06/13	No	
SeriesHealthARITreatmentChil	Population, Health	ARI treatment (% of children under 5 taken to a health provider)	WDI BATCH PULL	2017/06/13	No	
SeriesHealthDiarrhORTChil%	Population, Health	Diarrhea treatment (% of children under 5 receiving oral rehydration and continued feeding)	WDI BATCH PULL	2017/06/13	No	
SeriesHealthExpOutofPocket%	Population, Health	Out-of-pocket health expenditure (% of private expenditure paid out of pocket)	WDI BATCH PULL	2017/06/13	No	
SeriesHealthHIVRateFemAdults	Population, Health	Female adults with HIV (% of population ages 15-49 with HIV)	WDI BATCH PULL	2017/06/13	No	
SeriesHealthHospBedsper1000	Population, Health	Hospital beds	WDI BATCH PULL	2017/06/13	No	
SeriesHealthTBDOTSDetect%	Population, Health	Tuberculosis case detection rate (%, all forms)	WDI BATCH PULL	2017/06/13	No	
SeriesHealthTBTreatSuccess%	Population, Health	Tuberculosis treatment success rate (% of registered cases)	WDI BATCH PULL	2017/06/13	No	
SeriesGovExpend	Government	Government final consumption expenditures (current currency)	WDI BATCH PULL	2017/06/13	No	
SeriesTourismArrivals	Economic	International tourism, number of arrivals	WDI BATCH PULL	2017/06/13	No	
SeriesXWorkerRemitPaid	Economic, SocioPolitical	Worker remittances by country where paid	WDI BATCH PULL	2017/06/13	Yes	
SeriesTourismDepartures	Economic	International tourism, number of departures	WDI BATCH PULL	2017/06/13	No	
SeriesICTTelecomRev%GDP	Information Communication,Infrastructure, Government	Telecommunications revenue as % of GDP	WDI BATCH PULL	2017/06/13	No	
SeriesXFlowsOthers	Economic	Net flows, others	WDI BATCH PULL	2017/06/13	No	

SeriesXFlowsIMFNonCon%GDP	Economic	Net nonconcessional flows from IMF as % of GDP	WDI BATCH PULL	2017/06/13		Yes	
SeriesXIMFCredit%GDP	Economic	IMF credits as % of GDP	WDI BATCH PULL	2017/06/13		Yes	
SeriesXIncPayments%GDP	Economic	Income payments as % of GDP	WDI BATCH PULL	2017/06/13		Yes	
SeriesXPortBonds%GDP	Economic	Portfolio investment in bonds (PPG and PNG) as % of GDP	WDI BATCH PULL	2017/06/13		Yes	
SeriesGasPricesWDI	Energy, Infrastructure	Pump price for gasoline	WDI BATCH PULL	2017/06/13		No	
SeriesLifExpectFemaleWDI	SocioPolitical	Life expectancy at birth, female	WDI BATCH PULL	2017/06/13		No	
SeriesLifExpectWDI	SocioPolitical	Life expectancy at birth	WDI BATCH PULL	2017/06/13		No	
SeriesXRealEffectExchRateInd	Economic	Real effective exchange rate index (2000 = 100)	WDI BATCH PULL	2017/06/13		No	
SeriesXPortEquity%GDP	Economic	Portfolio investment in equity as % of GDP	WDI BATCH PULL	2017/06/13		Yes	
SeriesHealthExpTotal%GDPWDI2009	Population, Health	Health Expenditure, Total (% of GDP)	WDI BATCH PULL	2017/06/13		No	
SeriesPovertyGap$1c25perDay	SocioPolitical	Poverty gap at $1.25 per day (PPP), percent	WDI BATCH PULL	2017/06/13		No	
SeriesPovertyGap$2perDayWDI2009	SocioPolitical	Poverty gap at $2 per day (PPP), percent	WDI BATCH PULL	2017/06/13		No	
SeriesWaterWithAgr%Fresh	Agriculture, Infrastructure, Environment, Water	Water withdrawals, agriculture, % of total freshwater withdrawals	WDI BATCH PULL	2017/06/13		No	
SeriesWaterWithInd%Fresh	Agriculture, Infrastructure, Environment, Water	Water withdrawals, industry, % of total freshwater withdrawals	WDI BATCH PULL	2017/06/13		No	
SeriesWomParlWDI%	SocioPolitical	Seats held by women in national parliament, percentage	WDI BATCH PULL	2017/06/13		No	
SeriesLandArea	Agriculture, Infrastructure, Environment	Land Area	WDI BATCH PULL	2017/06/13		Yes	
SeriesAgFertUse	Agriculture	Fertilizer consumption total	WDI BATCH PULL	2017/06/13		No	
SeriesXReserves%GDP	Economic	Gross international reserves as % of GDP	WDI BATCH PULL	2017/06/13		Yes	
SeriesExportGoodSer%	Economic, Trade	Exports of goods and services as % of GDP	WDI BATCH PULL	2017/06/13		Yes	
SeriesGasPricesDiesel	Energy, Infrastructure	Gasoline prices, diesel pump prices	WDI BATCH PULL	2017/06/13		No	
SeriesExportServices	Economic	Exports of services (BoP, current currency)	WDI BATCH PULL	2017/06/13		Yes	
SeriesVaddTexCloth%Man	Economic	Textiles and clothing (% of value added in manufacturing)	WDI BATCH PULL	2017/06/13		No	
SeriesXDebtPri%TotalXDEBT	Economic	External debt stocks, private nonguaranteed debt as % of external debt	WDI BATCH PULL	2017/06/13		No	
SeriesXFlowsRDBCon	Economic	Net concessional flows from Regional Development Banks	WDI BATCH PULL	2017/06/13		No	
SeriesXFlowsRDBNonCon%GDP	Economic	Net nonconcessional flows from Regional Development Banks as % of GDP	WDI BATCH PULL	2017/06/13		No	
SeriesXGoodSerBal%GDP	Economic	External balance on goods and services (% of GDP)	WDI BATCH PULL	2017/06/13		No	

SeriesGovEmplComp%Exp	Government	Compensation of employees, % total expenses	WDI BATCH PULL	2017/06/13	No	
SeriesTaxSocSec%CurRevNew	Government	Social security taxes as % of total govt revenue	WDI BATCH PULL	2017/06/13	No	
SeriesEnElecTransLoss%	Energy, Infrastructure, Trade	Electric power transmission and distribution losses (% of output)	WDI BATCH PULL	2017/06/13	Yes	
SeriesXExchRateLCUtoDollar	Economic	Official exchange rate, local currency units per US dollar	WDI BATCH PULL	2017/06/13	No	
SeriesAidRec%GNI	Economic	Official development assistance and official aid, net, % of GNI	WDI BATCH PULL	2017/06/13	Yes	
SeriesInscFinIm%Ser	Economic, Trade	Insurance and financial imports as % of service imports	WDI BATCH PULL	2017/06/13	No	
SeriesR&DResearchersperMillion	Science Technology, Infrastructure, Knowledge	R&D researchers (FTE) per million inhabitants	WDI BATCH PULL	2017/06/13	No	
SeriesExportQuantityIndex	Economic, Trade	Export quantum/quantity index (2000=100)	WDI BATCH PULL	2017/06/13	No	
SeriesHealthExtRes%Total	Population, Health	External resources for health as % of total resources	WDI BATCH PULL	2017/06/13	No	
SeriesHealthSmokingMales%	Population, Health	Smoking prevalence, age adjusted, Males (% of adults) ales (% of adults)	WDI BATCH PULL	2017/06/13	No	
SeriesRailPassengerKM	Transportation,Infrastructure	Rail passenger-kilometers	WDI BATCH PULL	2017/06/13	No	
SeriesVAddTot95	Economic	Total value added at factor cost	WDI BATCH PULL	2017/06/13	No	
SeriesGovtEdPub%GDP	Government	Educational expenditures (public) as percent of GDP	WDI BATCH PULL	2017/06/13	Yes	
SeriesGovWBDoingBusinessCostofStarting	Governance	Cost of registering a business as a percent of per capita income	WDI BATCH PULL	2017/06/13	Yes	
SeriesPopulationUrban%	Population	Urban population as percent of total	WDI BATCH PULL	2017/06/13	No	
SeriesAgFertUseperHectare	Agriculture	Fertilizer consumption (100 grams per hectare of arable land)	WDI BATCH PULL	2017/06/13	No	
SeriesAgFoodEx%MerchEx	Agriculture, Trade	Agricultural food exports as % of merchandise exports	WDI BATCH PULL	2017/06/13	No	
SeriesAgMachTracper100H	Agriculture	Agricultural machinery, tractors per 100 hectares of arable land	WDI BATCH PULL	2017/06/13	No	
SeriesAidRecGrant%Total	Economic	Official development assistance and official aid, grants and other revenue, current LCU	WDI BATCH PULL	2017/06/13	Yes	
SeriesCBR	Population	Crude birth rate	WDI BATCH PULL	2017/06/13	Yes	
SeriesCDR	Population	Crude death rate	WDI BATCH PULL	2017/06/13	Yes	
SeriesEnFuelEx%MerchEx	Energy, Infrastructure, Trade	Energy fuel exports as % of merchandise exports	WDI BATCH PULL	2017/06/13	No	
SeriesEnFuelIm%MerchIm	Energy, Infrastructure, Trade	Energy fuel imports as % of merchandise imports	WDI BATCH PULL	2017/06/13	No	
SeriesEnImportsNet%EnUse	Energy, Infrastructure, Trade	Energy imports (net) as a percentage of energy use	WDI BATCH PULL	2017/06/13	No	
SeriesEnPricePumpDiesel	Energy, Infrastructure	Pump price for diesel fuel (US$ per liter)	WDI BATCH PULL	2017/06/13	No	
SeriesEnPricePumpSuper	Energy, Infrastructure	Pump price for gasoline (US$ per liter)	WDI BATCH PULL	2017/06/13	No	

SeriesEnProdElec%Gas	Energy, Infrastructure	Electricity production from natural gas sources (% of total)	WDI BATCH PULL	2017/06/13	No	
SeriesXFlowsIDA	Economic	Net flows from IDA	WDI BATCH PULL	2017/06/13	No	
SeriesGovtMil%GDPWDI	Government, Conflict	Military expenditures as percent of GDP	WDI BATCH PULL	2017/06/13	No	
SeriesHealthExpTotal%GDP	Population, Health	Total expenditure on health as % of GDP	WDI BATCH PULL	2017/06/13	No	
SeriesHealthTBIncper100000	Population, Health	Incidence of tuberculosis (per 100,000 people)	WDI BATCH PULL	2017/06/13	No	
SeriesICTBroadbandSubscribers	Information Communication,Infrastructure	Broadband subscribers	WDI BATCH PULL	2017/06/13	No	
SeriesIncBelow1Dollar%WDI2006	SocioPolitical	Population below poverty line of $1 per day PPP	WDI BATCH PULL	2017/06/13	No	
SeriesEnProdElec%TransLoss	Energy, Infrastructure	Electricity power transmission and distribution losses % of total	WDI BATCH PULL	2017/06/13	No	
SeriesExportImport%GDP	Economic, Infrastructure, Trade	Trade (exports and imports) as % of GDP	WDI BATCH PULL	2017/06/13	No	
SeriesGasPricesSuper	Energy, Infrastructure	Gasoline prices, super pump prices	WDI BATCH PULL	2017/06/13	No	
SeriesGovBudgBal%GDP	Government	Overall budget balance, including grants (% of GDP)	WDI BATCH PULL	2017/06/13	No	
SeriesGovCon%GDP	Economic	Government (general) final consumption as % of GDP	WDI BATCH PULL	2017/06/13	Yes	
SeriesGovExpense%GDP	Government	Government expense as % of GDP (compare with govt expenditures)	WDI BATCH PULL	2017/06/13	Yes	
SeriesRiskPremLend%	Economic	Risk premium on lending	WDI BATCH PULL	2017/06/13	No	
SeriesXDebt%GNI	Economic	External debt as percentage of gross national income	WDI BATCH PULL	2017/06/13	No	
SeriesXDebtPNG	Economic	External debt, private non-guaranteed	WDI BATCH PULL	2017/06/13	No	
SeriesXDebtShort%TotalXDebt	Economic	Short-term debt as % of external debt	WDI BATCH PULL	2017/06/13	No	
SeriesPovertyGap$2perDay	SocioPolitical	Poverty gap at $2 per day (PPP), percent	WDI BATCH PULL	2017/06/13	No	
SeriesPovertyNatPovLineHC%	SocioPolitical	Poverty headcount ratio at national poverty line (% of population)	WDI BATCH PULL	2017/06/13	No	
SeriesPovertyNatPovLineRurHC%	SocioPolitical	Poverty headcount ratio at national poverty rural line (% of population)	WDI BATCH PULL	2017/06/13	No	
SeriesPovertyNatPovLineUrbHC%	SocioPolitical	Poverty headcount ratio at national poverty urban line (% of population)	WDI BATCH PULL	2017/06/13	No	
SeriesPPPConvtoMER	Economic	PPP conversion factor to official exchange rate ratio	WDI BATCH PULL	2017/06/13	No	
SeriesR&DTechniciansperMil	Science Technology, Infrastructure, Knowledge	R&D technicians	WDI BATCH PULL	2017/06/13	No	
SeriesRailGoods	Transportation,Infrastructure	Rail freights million ton-kilometer	WDI BATCH PULL	2017/06/13	No	
SeriesAidRecPerCap	Economic	Official development assistance and official aid per capita	WDI BATCH PULL	2017/06/13	No	
SeriesEnProdElec%Oil	Energy, Infrastructure	Electricity production from oil sources (% of total)	WDI BATCH PULL	2017/06/13	No	

SeriesPopulationYouthDep%	Population	Population of young people (	WDI BATCH PULL	2017/06/13	Yes	
SeriesAgLifestockProdIndex	Agriculture	Livestock production index, 2004-2006=100	WDI BATCH PULL	2017/06/13	No	
SeriesAidRec	Economic	Official development assistance and official aid, net, current dollars	WDI BATCH PULL	2017/06/13	No	
SeriesAidRecGross%GDP	Economic	Official development assistance and official aid, gross, % of GDP	WDI BATCH PULL	2017/06/13	No	
SeriesEmissionsCO2WDI	Environment	CO2 emissions	WDI BATCH PULL	2017/06/13	No	
SeriesICTCommCompEx%Ser	Information Communication,Infrastructure, Trade	Communications, computer, etc. exports as % of service exports	WDI BATCH PULL	2017/06/13	No	
SeriesICTInternetSecServsperMil	Information Communication,Infrastructure	Secure internet servers	WDI BATCH PULL	2017/06/13	No	
SeriesICTInternetUsersper1000WDI	Information Communication,Infrastructure	Internet users. Internet users are people with access to the worldwide network	WDI BATCH PULL	2017/06/13	No	
SeriesImportQuantityIndex	Economic, Trade	Import quantum/quantity index (2000=100)	WDI BATCH PULL	2017/06/13	No	
SeriesImports	Economic, Trade	Imports	WDI BATCH PULL	2017/06/13	No	
SeriesImportGoodSer%	Economic	Imports of goods and services as % of GDP	WDI BATCH PULL	2017/06/13	Yes	
SeriesImportServices	Economic, Trade	Imports of services (current currency)	WDI BATCH PULL	2017/06/13	Yes	
SeriesImportsMerchandise	Economic	Imports of merchandise (current currency)	WDI BATCH PULL	2017/06/13	Yes	
SeriesLandCrop%	Environment, Agriculture, Infrastructure	Land use, permanent cropland (% of total area)	WDI BATCH PULL	2017/06/13	No	
SeriesLifExpectMaleWDI	SocioPolitical	Life expectancy at birth, Male	WDI BATCH PULL	2017/06/13	No	
SeriesMalnChil%HeightBasedWDI2009	SocioPolitical	Malnutrition Prevalence, Height for Age (% of Children Under 5)	WDI BATCH PULL	2017/06/13	No	
SeriesMalnChil%WeightWDI2009	SocioPolitical	Malnutrition Prevalence, Weight for Age (% of Children Under 5)	WDI BATCH PULL	2017/06/13	No	
SeriesMalnPop%WDI2009	SocioPolitical	Prevalence of Undernourishment (% of Population)	WDI BATCH PULL	2017/06/13	No	
SeriesManEx%MerchEx	Economic, Trade	Manufactures exports as % of merchandise exports	WDI BATCH PULL	2017/06/13	No	
SeriesManIm%MerchIm	Economic, Trade	Manufactures imports as % of merchandise imports	WDI BATCH PULL	2017/06/13	No	
SeriesMerchExCurDol	Economic, Trade	Merchandise exports	WDI BATCH PULL	2017/06/13	No	
SeriesMalnPop%WB	SocioPolitical, Agriculture	Percentage of population malnourished	WDI BATCH PULL	2017/06/13	Yes	
SeriesRailGoodsperMil$GDP	Transportation,Infrastructure	Rail goods-kilometer per million $ (PPP)	WDI BATCH PULL	2017/06/13	No	
SeriesRailPassengerKMperMil$GDP	Transportation,Infrastructure	Rail passenger-kilometers per million $ GDP (PPP)	WDI BATCH PULL	2017/06/13	No	
SeriesSafWaterRural%	SocioPolitical,Infrastructure	Percent of rural population with access to safe water	WDI BATCH PULL	2017/06/13	No	
SeriesSafWaterUrban%	SocioPolitical,Infrastructure	Percent of urban population with access to safe water	WDI BATCH PULL	2017/06/13	No	

SeriesTermTrNetBarter	Economic	Terms of trade, net barter (2000 = 100)	WDI BATCH PULL	2017/06/13	No	
SeriesTourismExpend%Imp	Economic	Tourism (international) expenditures as % of total imports	WDI BATCH PULL	2017/06/13	No	
SeriesTourReceipt%Exp	Economic	Tourism (international) receipts as % of total exports	WDI BATCH PULL	2017/06/13	No	
SeriesTransAircraftDeparts	Economic, Infrastructure, Transportation	Transportation, aircraft departures	WDI BATCH PULL	2017/06/13	No	
SeriesTransContainerTraf	Economic, Infrastructure, Transportation	Transportation, container port traffic of 20-foot equivalents	WDI BATCH PULL	2017/06/13	No	
SeriesTransEx%Ser	Economic, Infrastructure, Transportation, Trade	Transportation exports as % of service exports	WDI BATCH PULL	2017/06/13	No	
SeriesTFR	Population	Total fertility rate: children per woman	WDI BATCH PULL	2017/06/13	No	
SeriesXFlowsRDBNonCon	Economic	Net nonconcessional flows from Regional Development Banks	WDI BATCH PULL	2017/06/13	No	
SeriesXIMFCreditUse	Economic	Use of IMF Credit	WDI BATCH PULL	2017/06/13	No	
SeriesXPortBonds	Economic	Portfolio investment in bonds (PPG and PNG)	WDI BATCH PULL	2017/06/13	No	
SeriesXReserveswoGoldCurDols	Economic	Total reserves minus gold (current US$)	WDI BATCH PULL	2017/06/13	No	
SeriesXRoyalLicPayments	Economic	Royalty and license fees, payments (BoP, current US$)	WDI BATCH PULL	2017/06/13	No	
SeriesXRoyalLicReceipts	Economic	Royalty and license fees, receipts (BoP, current US$)	WDI BATCH PULL	2017/06/13	No	
SeriesWaterWithDom%Fresh	Agriculture, Infrastructure, Environment, Water	Water withdrawals, domestic, % of total freshwater withdrawals	WDI BATCH PULL	2017/06/13	No	
SeriesXFlowsRDBCon%GDP	Economic	Net concessional flows from Regional Development Banks as % of GDP	WDI BATCH PULL	2017/06/13	No	
SeriesExportGoods	Economic, Trade	Exports of goods (BoP, current currency)	WDI BATCH PULL	2017/06/13	No	
SeriesGovGrantsRev%Rev	Government	Government grants from govts, Iorgs, assorted revenue, % of Rev	WDI BATCH PULL	2017/06/13	No	
SeriesGovInt%Exp	Government	Interest payments on central govt debt as % of current expenditure	WDI BATCH PULL	2017/06/13	No	
SeriesGovInt%Rev	Government	Interest payments on central govt debt as % of current revenue (dom and intl lenders)	WDI BATCH PULL	2017/06/13	No	
SeriesGovMil%GovExp	Government	Military expenditures as percent of central government expenditures	WDI BATCH PULL	2017/06/13	No	
SeriesIncBelow2Dollar%WDI2006	SocioPolitical	Population below poverty line of $2 per day PPP	WDI BATCH PULL	2017/06/13	No	
SeriesInscFinEx%Ser	Economic, Trade	Insurance and financial exports as % of service exports	WDI BATCH PULL	2017/06/13	No	
SeriesInvestGrCapForm	Economic	Gross capital formation (Investment)	WDI BATCH PULL	2017/06/13	No	
SeriesEnElecConsPerCap	Energy	Electricity consumption per capita	WDI BATCH PULL	2017/06/13	Yes	
SeriesInvestGrFixedCapForm%GDP	Economic	Gross domestic fixed capital formation as percent of GDP	WDI BATCH PULL	2017/06/13	No	
SeriesIncBelow1D25c%WDI2009	SocioPolitical	Population below poverty line of $1.25 per day PPP	WDI BATCH PULL	2017/06/13	No	

SeriesInfMort	SocioPolitical	Infant mortality (per thousand births)	WDI BATCH PULL	2017/06/13	No	
SeriesInvestGrCapForm%GDP	Economic	Gross capital formation (Investment), percent of GDP	WDI BATCH PULL	2017/06/13	Yes	
SeriesSafWaterWDI%	SocioPolitical,Infrastructure	Percent of population with access to safe water	WDI BATCH PULL	2017/06/13	No	
SeriesSanitationAccess%	SocioPolitical,Infrastructure	Percent of population with access to improved sanitation	WDI BATCH PULL	2017/06/13	No	
SeriesSanitationAccessRural%	SocioPolitical,Infrastructure	Percent of rural population with access to improved sanitation	WDI BATCH PULL	2017/06/13	No	
SeriesSanitationAccessUrban%	SocioPolitical,Infrastructure	Percent of urban population with access to improved sanitation	WDI BATCH PULL	2017/06/13	No	
SeriesSavings%GDP	Economic	Savings, gross, as percent of GDP	WDI BATCH PULL	2017/06/13	No	
SeriesSavingsDomestic%GDP	Economic	Savings, gross, domestic, as percent of GDP	WDI BATCH PULL	2017/06/13	No	
SeriesSavingsGenuine%	Economic	Savings (genuine; special measure) as percent of GDP	WDI BATCH PULL	2017/06/13	No	
SeriesSavingsGross%GNI	Economic	Savings, gross, as percent of GNI	WDI BATCH PULL	2017/06/13	No	
SeriesSciTechJournArticles	Science Technology, Infrastructure, Knowledge	Science and technology articles published	WDI BATCH PULL	2017/06/13	No	
SeriesTaxExportDuties%Exp	Government	Taxes (duties) on exports as % of exports	WDI BATCH PULL	2017/06/13	No	
SeriesTravEx%Ser	Economic, Transportation, Trade	Travel exports as % of service exports	WDI BATCH PULL	2017/06/13	No	
SeriesTravIm%Ser	Economic, Transportation, Trade	Travel imports as % of service imports	WDI BATCH PULL	2017/06/13	No	
SeriesVaddFoodBevTob%Man	Economic	Value added in food, beverages, and tobacco as % of value added in manufactures	WDI BATCH PULL	2017/06/13	No	
SeriesXChngNetReserves	Economic	Changes in net reserves	WDI BATCH PULL	2017/06/13	No	
SeriesXCurActBal	Economic	Current account balance	WDI BATCH PULL	2017/06/13	No	
SeriesXCurRevExcGr%GDP	Economic	Current revenue excluding grants (% of GDP)	WDI BATCH PULL	2017/06/13	No	
SeriesXCurTransferRec	Economic	Current transfers with ROW, receipts (of residents, no repayment provisions), billion US$	WDI BATCH PULL	2017/06/13	No	
SeriesXDebt%Exports	Economic	Present value of debt as percentage of exports of goods, services	WDI BATCH PULL	2017/06/13	No	
SeriesXDebt%GDP	Economic	External debt as percentage of gross domestic product	WDI BATCH PULL	2017/06/13	No	
SeriesXFDINetFlows	Economic	Foreign direct investment, net inflows	WDI BATCH PULL	2017/06/13	No	
SeriesXFlowsIBRD	Economic	Net flows from IBRD	WDI BATCH PULL	2017/06/13	No	
SeriesXFlowsIBRDIDA	Economic	IBRD loans and IDA credits	WDI BATCH PULL	2017/06/13	No	
SeriesXFlowsIMFCon	Economic	Net concessional flows from IMF	WDI BATCH PULL	2017/06/13	No	
SeriesXFlowsIMFNonCon	Economic	Net nonconcessional flows from IMF	WDI BATCH PULL	2017/06/13	No	

SeriesXFlowsOthers%GDP	Economic	Net flows, others, as % of GDP	WDI BATCH PULL	2017/06/13	No	
SeriesXFDIInflows%GDP	Economic	Foreign direct investment net inflow as % of GDP	WDI BATCH PULL	2017/06/13	Yes	
SeriesXFDIOutflows%GDP	Economic	Foreign direct investment net outflow as % of GDP	WDI BATCH PULL	2017/06/13	Yes	
SeriesXWorkerRemit%GDP	Economic	Worker remittances by home country as % of GDP	WDI BATCH PULL	2017/06/13	No	
SeriesXWorkerRemitReceived	Economic, SocioPolitical	Worker remittances received by home country	WDI BATCH PULL	2017/06/13	Yes	
SeriesAgRawEx%MerchEx	Agriculture, Trade	Agricultural raw material exports as % of merchandise exports	WDI BATCH PULL	2017/06/13	No	
SeriesGovPPGDebtService%Rev	Government	Public and publicly guaranteed debt service as % of current revenue	WDI BATCH PULL	2017/06/13	No	
SeriesGovSocialContr%Rev	Government	Government total social conbtributions as percent of revenue	WDI BATCH PULL	2017/06/13	No	
SeriesICTBroadbandSubsper100	Information Communication,Infrastructure	Broadband subscribers per 100 people	WDI BATCH PULL	2017/06/13	No	
SeriesImportsGoodsServicesIncome	Economic, Trade	Imports of goods, services and income (current currency)	WDI BATCH PULL	2017/06/13	No	
SeriesImportValueIndex	Economic, Trade	Import value index (2000=100)	WDI BATCH PULL	2017/06/13	No	
SeriesIncShareL20%	SocioPolitical	Income share of poorest 20% of population	WDI BATCH PULL	2017/06/13	Yes	
SeriesXIncPayments	Economic	Income payments	WDI BATCH PULL	2017/06/13	No	
SeriesAgRawIm%MerchIm	Agriculture, Trade	Agricultural raw material imports as % of merchandise imports	WDI BATCH PULL	2017/06/13	No	
SeriesTaxImportDuties%Imp	Government	Import duties as a percent of imports	WDI BATCH PULL	2017/06/13	No	
SeriesEnConComRenewWaste	Energy, Infrastructure	Energy from combustible renewable and waste (% of total)	WDI BATCH PULL	2017/06/13	No	
SeriesGovtExpend%GDP	Government	Government expenditures (central) as % of GDP	WDI BATCH PULL	2017/06/13	No	
SeriesHealthExpPublic%GDPWDI2009	Population, Health	Health expenditures as percent of GDP, public	WDI BATCH PULL	2017/06/13	No	
SeriesHlPriv%GDP	Government	Health expenditures as percent of GDP, private	WDI BATCH PULL	2017/06/13	No	
SeriesHouseCon	Economic	Household consumption	WDI BATCH PULL	2017/06/13	No	
SeriesMerchImCurDol	Economic, Trade	Merchandise imports	WDI BATCH PULL	2017/06/13	No	
SeriesMortChildUnder5	SocioPolitical	Mortality rate, under-5 (per 1,000)	WDI BATCH PULL	2017/06/13	No	
SeriesNationalExpendGross%GDP	Economic	National expenditure, gross, as percent of GDP	WDI BATCH PULL	2017/06/13	No	
SeriesTaxIncPrCG%CurRev	Government	Taxes on income, profits, cap gains as % of total govt revenue	WDI BATCH PULL	2017/06/13	No	
SeriesTaxIncPrCG%Tax	Government	Taxes on income, profits, cap gains as % of total taxes	WDI BATCH PULL	2017/06/13	No	
SeriesTaxTrade%CurRev	Government	Taxes on trade as percent of total govt revenue	WDI BATCH PULL	2017/06/13	No	

SeriesOresMetsEx%MerchEx	Economic	Ores and Metals exports as % of merchandise exports	WDI BATCH PULL	2017/06/13	Yes	
SeriesPatentApplicationsNonRes	Science Technology, Infrastructure, Knowledge	Annual patent applications by nonresidents	WDI BATCH PULL	2017/06/13	No	
SeriesPatentApplicationsRes	Science Technology, Infrastructure, Knowledge	Annual patent applications by residents	WDI BATCH PULL	2017/06/13	No	
SeriesPopAgeDependRatio	Population	Percentage of Dependents to working-aged population	WDI BATCH PULL	2017/06/13	No	
SeriesPopBirthsSkilledAttend%	SocioPolitical	Percent of births attended by skilled health personnel	WDI BATCH PULL	2017/06/13	No	
SeriesPopContrUnmetNeed%	Population	Unmet need for contraception (% of married women ages 15-49)	WDI BATCH PULL	2017/06/13	No	
SeriesPopForeignInflows	Population, SocioPolitical	Foreign population stock	WDI BATCH PULL	2017/06/13	No	
SeriesPopMigNetTest4BBH	Population	Migration data from WB test	WDI BATCH PULL	2017/06/13	No	
SeriesPopMigrationYearsWDI	Population, SocioPolitical	Annual net migration	WDI BATCH PULL	2017/06/13	No	
SeriesPopContrUse%WDI	Population	Prevalence of contraceptive use	WDI BATCH PULL	2017/06/13	Yes	
SeriesPopulationUrban	Population	Urban population	WDI BATCH PULL	2017/06/13	Yes	
SeriesTrademarksNonresidents	Science Technology, Infrastructure	Trademarks, nonresidents	WDI BATCH PULL	2017/06/13	No	
SeriesTrademarksResidents	Science Technology, Infrastructure	Trademarks, residents	WDI BATCH PULL	2017/06/13	No	
SeriesTransAirFreight	Transportation,Infrastructure	Air freight	WDI BATCH PULL	2017/06/13	No	
SeriesTransAirPassengers	Transportation,Infrastructure	Air transport, passengers carried	WDI BATCH PULL	2017/06/13	No	
SeriesAgCropProdIndex	Agriculture	Crop production in terms of edible crops, 2004-2006=100	WDI BATCH PULL	2017/06/13	No	
SeriesAgFoodIm%MerchIm	Agriculture, Trade	Agricultural food imports as % of merchandise imports	WDI BATCH PULL	2017/06/13	No	
SeriesEnConElecPerCap	Energy, Infrastructure	Electric power consumption per capita	WDI BATCH PULL	2017/06/13	No	
SeriesPopulationDensity	Population	Population density, people per square kilometer	WDI BATCH PULL	2017/06/13	No	
SeriesPopulationDensityRural	Population	Population density rural, people per square kilometer of arable land	WDI BATCH PULL	2017/06/13	No	
SeriesPopulationLargestCity%Urb	Population	Population in the largest city (% of urban population)	WDI BATCH PULL	2017/06/13	No	
SeriesPopulationRural	Population	Rural population	WDI BATCH PULL	2017/06/13	No	
SeriesPopulationRural%	Population	Rural population as percent of total	WDI BATCH PULL	2017/06/13	No	
SeriesPopulationWDI2009	Population	Population, Total	WDI BATCH PULL	2017/06/13	No	
SeriesMalnChil%WeightWB	SocioPolitical, Agriculture	Percentage of children under 5 malnourished based on weight; US benchmark	WDI BATCH PULL	2017/06/13	Yes	
SeriesXDebtLongTerm	Economic	Long-term debt (DOD, current US$) (bill)	WDI BATCH PULL	2017/06/13	No	

SeriesXDebtPPG	Economic	External long-term (more than 1 year) debt: public or publically guaranteed (not private unguaranteed)	WDI BATCH PULL	2017/06/13	No	
SeriesXDebtServ%Exports	Economic	Total debt service as percentage of exports of goods and services	WDI BATCH PULL	2017/06/13	No	
SeriesXDebtServ%GNI	Economic	Total debt service as % of GNI	WDI BATCH PULL	2017/06/13	No	
SeriesXDebtServiceTot	Economic	External Debt Service, Total	WDI BATCH PULL	2017/06/13	No	
SeriesXDebtServMulti%PPGServ	Economic	Multilateral debt service, % of PPG debt serves	WDI BATCH PULL	2017/06/13	No	
SeriesXDebtServPPG%Exports	Economic	External PPG debt service as percentage of exports of goods and services	WDI BATCH PULL	2017/06/13	No	
SeriesXDebtServPPG%GNI	Economic	Total PPG debt service as % of GNI	WDI BATCH PULL	2017/06/13	No	
SeriesTaxGoodSer%CurRev	Government	Taxes on goods and services as % of total govt revenue	WDI BATCH PULL	2017/06/13	Yes	
SeriesTaxSocSec%CurRev	Government	Social security taxes as % of total govt revenue	WDI BATCH PULL	2017/06/13	Yes	
SeriesXExtBalGoodsServ	Economic	External balance on goods and services	WDI BATCH PULL	2017/06/13	No	
SeriesXExtBalGoodsServ%GDP	Economic	External balance on goods and services as % of GDP	WDI BATCH PULL	2017/06/13	No	
SeriesXIncReceipts	Economic	Income receipts	WDI BATCH PULL	2017/06/13	No	
SeriesXReservesNetChange	Economic	Changes in net reserves	WDI BATCH PULL	2017/06/13	No	
SeriesXReserveswGoldCurDols	Economic	Total reserves (includes gold, current US$)	WDI BATCH PULL	2017/06/13	No	
SeriesMalnChil%	SocioPolitical, Agriculture	Percentage of children under 5 malnourished by weight for age	WDI BATCH PULL	2017/06/13	No	
SeriesICTInternet%Pop	Information Communication,Infrastructure	Percent of population on-line	WDI BATCH PULL	2017/06/13	Yes	
SeriesLaborAgr%TotFemale	Economic	Employees, agriculture, female as % of female employment	WDI BATCH PULL	2017/06/13	Yes	
SeriesWaterAnRenResourcesNew	Environment, Infrastructure, Water	Annually renewable water resources	WDI BATCH PULL	2017/06/13	No	
SeriesWaterAnWithdrawalsNew	Environment, Infrastructure, Water	Annual water withdrawals/use (1990=70-99;2000=update, mostly 2000)	WDI BATCH PULL	2017/06/13	No	
SeriesVaddAg%	Economic	Value added in agriculture as percent of GDP	WDI BATCH PULL	2017/06/13	Yes	
SeriesVaddSer%	Economic	Value added in services as percent of GDP	WDI BATCH PULL	2017/06/13	Yes	
SeriesXFlowsIMFCon%GDP	Economic	Net concessional flows from IMF as % of GDP	WDI BATCH PULL	2017/06/13	Yes	
SeriesXIncReceipts%GDP	Economic	Income receipts as % of GDP	WDI BATCH PULL	2017/06/13	Yes	
SeriesLaborAgr%TotMale	Economic	Employees, agriculture, males as % of male employment	WDI BATCH PULL	2017/06/13	Yes	
SeriesLiteracyAdultTotal%	SocioPolitical, Knowledge, Education	Literacy rate, percent of adults (15 or older)	WDI BATCH PULL	2017/06/13	Yes	
SeriesXCurActBal%GDP	Economic	Current account balance (% of GDP)	WDI BATCH PULL	2017/06/13	Yes	

SeriesXDebt	Economic	External long-term (more than 1 year) debt: public, publically guaranteed and priv nonguaranteed	WDI BATCH PULL	2017/06/13	Yes	
SeriesXFlowsIBRD%GDP	Economic	Net flows from IBRD as % of GDP	WDI BATCH PULL	2017/06/13	Yes	
SeriesXWBLoans%GDP	Economic	IBRD loans and IDA credits as % of GDP	WDI BATCH PULL	2017/06/13	Yes	
SeriesInflationCPIBase2010	Economic	Consumer Price Index	WDI BATCH PULL	2017/06/13	No	
SeriesInflationWholesaleBase2010	Economic	Wholesale Price Index	WDI BATCH PULL	2017/06/13	No	

Discontinued WDI Series

Since beginning to pull WDI data, there have been a number of series which have been discontinued in terms of collection by the WDI. We continue to keep this outdated data in IFs until proper replacements are found. Those data are:

Non-Preprocessor Series:

SeriesEmissionsOrgWatperWorkerDay

SeriesEnConElecWDIkwh

SeriesGovBudgeBal%GDP

SeriesICTDailyNewspapers

SeriesICTExpendperCap

SeriesICTInternetUsersper1000WDI

SeriesICTInternetUsersWDI

SeriesICTTelephoneLinesCellsper100

SeriesLaborParRateFemale%

SeriesLaborParRateMale%

SeriesLaborParRateTotal%

SeriesRoadDensity

SeriesRoadsPassengerKM

SeriesRoadsGoodsTrans

SeriesRoadsTotalNetworkClean

SeriesRoadsTotalNetworkOld

SeriesRoadsTotalNetworkWDI2010

SeriesTransCarsper1000

SeriesVehiclesperKilom

SeriesXFDIOutflows%GDPOld

SeriesXGrossPrivCapFlows%GDP

SeriesXPortEquity

Preprocessor Series:

SeriesEnConElec

SeriesEnConTotalWDI

SeriesEnElecShrEnDem

SeriesEnProdElec

SeriesEnvPM10

SeriesICTExpend%GDP

SeriesICTInternet%Pop

SeriesRoadsPaved%

SeriesRoadsTotalNetwork

SeriesVehiclesper1000

Instructions on pulling WDI data

Steps for pulling WDI Batch Data

1. Access the World Development Indicators through the world bank
   at: http://data.worldbank.org/data-catalog/world-development-indicators
2. Download the **CSV** data.
3. For the most recent update (Aug. 2024), we updated 82 series in total.

Variable	Definition	Name in Source	UsedInPreprocessor	UsedInPreprocessorFileName	Code in Source	Decimal Places	Formula
ArmsImp%TotImp	Arms imports (SIPRI trend indicator values)	Arms imports (SIPRI trend indicator values)	1	ECONOMY	MS.MIL.MPRT.KD	3	%'NE.IMP.GNFS.CD'
XDebtPNG%GDP	External debt, private non-guaranteed, as percentage of gross domestic product	External debt stocks, private nonguaranteed (PNG) (DOD, current US$)	1	ECONOMY	DT.DOD.DPNG.CD	4	%'NY.GDP.MKTP.CD'
XDebtPPG%GDP	External debt, public and publicly guaranteed, as percentage of gross domestic product	External debt stocks, public and publicly guaranteed (PPG) (DOD, current US$)	1	ECONOMY	DT.DOD.DPPG.CD	4	%'NY.GDP.MKTP.CD'
XFlowsIDA%GDP	Net flows from IDA as % of GDP	Net financial flows, IDA (NFL, current US$)	1	ECONOMY	DT.NFL.MIDA.CD	4	%'NY.GDP.MKTP.CD'
XFlowsIMFNonCon%GDP	Net nonconcessional flows from IMF as % of GDP	Net financial flows, IMF nonconcessional (NFL, current US$)	1	ECONOMY	DT.NFL.IMFN.CD	4	%'NY.GDP.MKTP.CD'
XIMFCredit%GDP	IMF credits as % of GDP	Use of IMF credit (DOD, current US$)	1	ECONOMY	DT.DOD.DIMF.CD	4	%'NY.GDP.MKTP.CD'
XIncPayments%GDP	Income payments as % of GDP	Primary income payments (BoP, current US$)	1	ECONOMY	BM.GSR.FCTY.CD	4	%'NY.GDP.MKTP.CD'
XPortBonds%GDP	Portfolio investment in bonds (PPG and PNG) as % of GDP	Portfolio investment, bonds (PPG + PNG) (NFL, current US$)	1	ECONOMY	DT.NFL.BOND.CD	4	%'NY.GDP.MKTP.CD'
XPortEquity%GDP	Portfolio investment in equity as % of GDP	Portfolio equity, net inflows (BoP, current US$)	1	ECONOMY	BX.PEF.TOTL.CD.WD	4	%'NY.GDP.MKTP.CD'
XReserves%GDP	Gross international reserves as % of GDP	Total reserves (includes gold, current US$)	1	ECONOMY	FI.RES.TOTL.CD	4	%'NY.GDP.MKTP.CD'
XFlowsIMFCon%GDP	Net concessional flows from IMF as % of GDP	Net financial flows, IMF concessional (NFL, current US$)	1	ECONOMY	DT.NFL.IMFC.CD	4	%'NY.GDP.MKTP.CD'
XIncReceipts%GDP	Income receipts as % of GDP	Primary income receipts (BoP, current US$)	1	ECONOMY	BX.GSR.FCTY.CD	3	%'NY.GDP.MKTP.CD'
XFlowsIBRD%GDP	Net flows from IBRD as % of GDP	Net financial flows, IBRD (NFL, current US$)	1	ECONOMY	DT.NFL.MIBR.CD	4	%'NY.GDP.MKTP.CD'
XWBLoans%GDP	IBRD loans and IDA credits as % of GDP	IBRD loans and IDA credits (DOD, current US$)	1	ECONOMY	DT.DOD.MWBG.CD	4	%'NY.GDP.MKTP.CD'
GovtCurRev%GDP	Current government revenue as % of GDP	Revenue, excluding grants (% of GDP)	1	ECONOMY	GC.REV.XGRT.GD.ZS	3	%'NY.GDP.MKTP.CD'
ExportServices%GDP	Exports of services as % of GDP	Service exports (BoP, current US$)	1	ECONOMY	BX.GSR.NFSV.CD	4	%'NY.GDP.MKTP.CD'
ExportsMerchandise%GDP	Exports of merchandise as % of GDP	Merchandise exports (current US$)	1	ECONOMY	TX.VAL.MRCH.CD.WT	4	%'NY.GDP.MKTP.CD'
ImportServices%GDP	Imports of services as % of GDP	Service imports (BoP, current US$)	1	ECONOMY	BM.GSR.NFSV.CD	4	%'NY.GDP.MKTP.CD'
ImportsMerchandise%GDP	Imports of merchandiseas as % of GDP	Merchandise imports (current US$)	1	ECONOMY	TM.VAL.MRCH.CD.WT	4	%'NY.GDP.MKTP.CD'
XWorkerRemitPaid%GDP	Worker remittances by country where paid as % of GDP	Personal remittances, paid (current US$)	1	ECONOMY	BM.TRF.PWKR.CD.DT	4	%'NY.GDP.MKTP.CD'
XWorkerRemitReceived%GDP	Worker remittances received by country as % of GDP	Personal remittances, received (current US$)	1	ECONOMY	BX.TRF.PWKR.CD.DT	4	%'NY.GDP.MKTP.CD'
XDebt%GDP	External debt as percentage of gross domestic product	External debt stocks, total (DOD, current US$)	1	ECONOMY	DT.DOD.DECT.CD	4	%'NY.GDP.MKTP.CD'
NetForeignAssets%GDP	Net Foreign Assets (current LCU) as a percent of GDP.	Net foreign assets (current LCU)	0		FM.AST.NFRG.CN	4	%'NY.GDP.MKTP.CN'
Labor	Labor force size	Labor force, total	1	POPULATION	SL.TLF.TOTL.IN	4	/1000000
PopulationUrban	Urban population	Urban population	1	POPULATION	SP.URB.TOTL	4	/1000000
GDPCurDol	Gross Domestic Product in Current US$	GDP (current US$)	1	ENERGY	NY.GDP.MKTP.CD	4	/1000000000
Xdebt	External long-term (more than 1 year) debt: public, publically guaranteed and priv nonguaranteed	External debt stocks, long-term (DOD, current US$)	1	ECONOMY	DT.DOD.DLXF.CD	4	/1000000000
LaborFemale%	Portion of labor force made up by women	Labor force, female (% of total labor force)	1	POPULATION	SL.TLF.TOTL.FE.ZS	4	
LaborSecInd%Tot	Labor in industry as % of total	Employment in industry (% of total employment) (modeled ILO estimate)	0		SL.IND.EMPL.ZS	4	
LaborSecSer%Tot	Labor in services as % of total	Employment in services (% of total employment) (modeled ILO estimate)	0		SL.SRV.EMPL.ZS	4	
VaddInd%	Value added in industry as percent of GDP	Industry (including construction), value added (% of GDP)	1	ECONOMY	NV.IND.TOTL.ZS	3	
OresMetsIm%MerchIm	Ores and Metals imports as % of merchandise imports	Ores and metals imports (% of merchandise imports)	1	ECONOMY	TM.VAL.MMTL.ZS.UN	4	
GovtDebt%GDP	Central government debt as % of GDP	Central government debt, total (% of GDP)	1	ECONOMY	GC.DOD.TOTL.GD.ZS	4	
VaddMan%	Value added in manufacturing as percent of GDP	Manufacturing, value added (% of GDP)	1	ECONOMY	NV.IND.MANF.ZS	3	
PopForeign%	Foreign population as % of total population	International migrant stock (% of population)	0		SM.POP.TOTL.ZS	4	
LaborAgriSector	Agricultural labor force as % of total employment, ISIC multiple revisions	Employment in agriculture (% of total employment) (modeled ILO estimate)	1	ECONOMY	SL.AGR.EMPL.ZS	3	
GenderUnpaidDomesticWorkTimeFemale	Proportion of time spent on unpaid domestic and care work, female (% of 24 hour day)	Proportion of time spent on unpaid domestic and care work, female (% of 24 hour day)	0		SG.TIM.UWRK.FE	2	
GenderUnpaidDomesticWorkTimeMale	Proportion of time spent on unpaid domestic and care work, male (% of 24 hour day).	Proportion of time spent on unpaid domestic and care work, male (% of 24 hour day)	1	POPULATION	SG.TIM.UWRK.MA	2	
IncBelow2D15c%	Percentage of the population living on less than $2.15 a day at 2017 international prices, estimation by World Bank, Poverty and Inequality Platform.	Poverty headcount ratio at $2.15 a day (2017 PPP) (% of population)	0		SI.POV.DDAY	4	
IncBelow3D65c%	Percentage of the population living on less than $3.65 a day at 2017 international prices, estimation by World Bank, Poverty and Inequality Platform.	Poverty headcount ratio at $3.65 a day (2017 PPP) (% of population)	0		SI.POV.LMIC	4	
IncBelow6D85c%	Percentage of the population living on less than $6.85 a day at 2017 international prices, estimation by World Bank, Poverty and Inequality Platform.	Poverty headcount ratio at $6.85 a day (2017 PPP) (% of population)	0		SI.POV.UMIC	4	
PovGap2D15cperDay	Poverty gap at $2.15 per day (2017PPP), percent, estimation by World Bank, Poverty and Inequality Platform	Poverty gap at $2.15 a day (2017 PPP) (%)	1	ECONOMY	SI.POV.GAPS	4	
PovGap3D65perDay	Poverty gap at $3.65 per day (2017PPP), percent, estimation by World Bank, Poverty and Inequality Platform	Poverty gap at $3.65 a day (2017 PPP) (%)	1	ECONOMY	SI.POV.LMIC.GP	4	
PovGap6D85cperDay	Poverty gap at $6.85 per day (2017PPP), percent, estimation by World Bank, Poverty and Inequality Platform	Poverty gap at $6.85 a day (2017 PPP) (%)	1	ECONOMY	SI.POV.UMIC.GP	4	
ExportGoodSer%	Exports of goods and services as % of GDP	Exports of goods and services (% of GDP)	1	ECONOMY	NE.EXP.GNFS.ZS	4	
EnElecTransLoss%	Electric power transmission and distribution losses (% of output)	Electric power transmission and distribution losses (% of output)	1	INFRASTRUCTURE	EG.ELC.LOSS.ZS	4	
GovtEdPub%GDP	Educational expenditures (public) as percent of GDP	Government expenditure on education, total (% of GDP)	1	ECONOMY	SE.XPD.TOTL.GD.ZS	4	
GovWBDoingBusinessCostofStarting	Cost of registring a business as a percent of per capita income	Cost of business start-up procedures (% of GNI per capita)	1	SOCIOPOL	IC.REG.COST.PC.ZS	4	
GovtMil%GDPWDI	Military expenditures (as percent of GDP). Taiwan, China values filled by SIPRI.	Military expenditure (% of GDP)	1	ECONOMY	MS.MIL.XPND.GD.ZS	4	
GovCon%GDP	Government (general) final consumption as % of GDP	General government final consumption expenditure (% of GDP)	1	ECONOMY	NE.CON.GOVT.ZS	3	
GovExpense%GDP	Government expense as % of GDP (compare with govt expenditures)	Expense (% of GDP)	1	ECONOMY	GC.XPN.TOTL.GD.ZS	3	
ImportGoodSer%	Imports of goods and services as % of GDP	Imports of goods and services (% of GDP)	1	ECONOMY	NE.IMP.GNFS.ZS	4	
EnElecConsPerCap	Electricity consumption per capita	Electric power consumption (kWh per capita)	1	INFRASTRUCTURE	EG.USE.ELEC.KH.PC	4	
InvestGrCapForm%GDP	Gross capital formation (Investment), percent of GDP	Gross capital formation (% of GDP)	1	ECONOMY	NE.GDI.TOTL.ZS	3	
XFDIInflows%GDP	Foreign direct investment net inflow as % of GDP	Foreign direct investment, net inflows (% of GDP)	1	ECONOMY	BX.KLT.DINV.WD.GD.ZS	4	
XFDIOutflows%GDP	Foreign direct investment net outflow as % of GDP	Foreign direct investment, net outflows (% of GDP)	1	ECONOMY	BM.KLT.DINV.WD.GD.ZS	3	
IncShareL20%	Income share held by poorest 20% of population	Income share held by lowest 20%	1	ECONOMY	SI.DST.FRST.20	4	
LaborUnemploy%	Labor unemployment, % of labor force	Unemployment, total (% of total labor force) (modeled ILO estimate)	1	POPULATION	SL.UEM.TOTL.ZS	3	
TaxImportDuties%Rev	Customs and other import duties (% of tax revenue)	Customs and other import duties (% of tax revenue)	1	ECONOMY	GC.TAX.IMPT.ZS	4	
OresMetsEx%MerchEx	Ores and Metals exports as % of merchandise exports	Ores and metals exports (% of merchandise exports)	1	ECONOMY	TX.VAL.MMTL.ZS.UN	4	
PopContrUse%WDI	Prevalence of contraceptive use	Contraceptive prevalence, any method (% of married women ages 15-49)	0		SP.DYN.CONU.ZS	4	
EnElecAccess%National	Access to electric energy National (% of population)	Access to electricity (% of population)	1	INFRASTRUCTURE	EG.ELC.ACCS.ZS	4	
EnElecAccess%Rural	Access to electricity in Rural areas (% of population)	Access to electricity, rural (% of rural population)	1	INFRASTRUCTURE	EG.ELC.ACCS.RU.ZS	4	
EnElecAccess%Urban	Access to electricity in Urban areas (% of population)	Access to electricity, urban (% of urban population)	1	INFRASTRUCTURE	EG.ELC.ACCS.UR.ZS	4	
MalnChil%WeightWB	Percentage of children under 5 malnourished based on weight; US benchmark	Prevalence of underweight, weight for age (% of children under 5)	1	AGRICULTURE	SH.STA.MALN.ZS	4	
TaxGoodSer%CurRev	Taxes on goods and services as % of total govt revenue	Taxes on goods and services (% of revenue)	1	ECONOMY	GC.TAX.GSRV.RV.ZS	3	
TaxSocSec%CurRev	Social security taxes as % of total govt revenue	Social contributions (% of revenue)	1	ECONOMY	GC.REV.SOCL.ZS	3	
GiniExtended	Gini index of income inequality (lower = more equal)	Gini index	1	ECONOMY	SI.POV.GINI	4	
ICTInternet%Pop	Percent of population on-line	Individuals using the Internet (% of population)	1	SOCIOPOL	IT.NET.USER.ZS	4	
LaborAgr%TotFemale	Employees, agriculture, female as % of female employment	Employment in agriculture, female (% of female employment) (modeled ILO estimate)	1	POPULATION	SL.AGR.EMPL.FE.ZS	4	
VaddAg%	Value added in agriculture as percent of GDP	Agriculture, forestry, and fishing, value added (% of GDP)	1	ECONOMY	NV.AGR.TOTL.ZS	3	
VaddSer%	Value added in services as percent of GDP	Services, value added (% of GDP)	1	ECONOMY	NV.SRV.TOTL.ZS	3	
LaborAgr%TotMale	Employees, agriculture, males as % of male employment	Employment in agriculture, male (% of male employment) (modeled ILO estimate)	1	POPULATION	SL.AGR.EMPL.MA.ZS	4	
XCurActBal%GDP	Current account balance (% of GDP)	Current account balance (% of GDP)	1	ECONOMY	BN.CAB.XOKA.GD.ZS	3	
MaternalMortalityRatio	Maternal deaths per 100,000 live births	Maternal mortality ratio (modeled estimate, per 100,000 live births)	1	POPULATION	SH.STA.MMRT	2	
EnvPMWDI	PM2.5 air pollution, mean annual exposure (micrograms per cubic meter)	PM2.5 air pollution, mean annual exposure (micrograms per cubic meter)	1	ENVIRONMENT	EN.ATM.PM25.MC.M3	5	
ChildStuntingPercentWDI	Stunting (Height for age) amongst children aged under the age of 5	Prevalence of stunting, height for age (% of children under 5)	1	HEALTH	SH.STA.STNT.ZS	5	
HealthMalarBedNetsWDI	Use of insecticide-treated bed nets (% of under-5 population)	Use of insecticide-treated bed nets (% of under-5 population)	1	HEALTH	SH.MLR.NETS.ZS	3	
AidRecGrant%TotRev	Grants and other revenue include grants from other foreign governments, international organizations, and other government units;	Grants and other revenue (% of revenue)	1	ECONOMY	GC.REV.GOTR.ZS	3	
IncBelowNPL%WDI	Population below national poverty line	Poverty headcount ratio at national poverty lines (% of population)	1	ECONOMY	SI.POV.NAHC	1	
ICTImport%Imp	Imports of ICT goods as % of total goods imports	ICT goods imports (% total goods imports)	0		TM.VAL.ICTG.ZS.UN	2	
ICTExport%Exp	Exports of ICT goods as % of total goods exports	ICT goods exports (% of total goods exports)	0		TX.VAL.ICTG.ZS.UN	2	

1. To prepare the data, we mainly use the "Code in Source", "Formula", and "Decimal Places". The "Code in Source" is the "Indicator Code" in WDI_CSV file downloaded.
2. First, we seperated data difference vetting into two parts:
   1. New value is missing but we have values in IFsHistSeries. For current prevetting, the only problematic one is Nicaragua.
   2. New value is greater than 15% compared to the values in IFsHistSeries.
3. Then, blend data points for missing years and missing country data. Can generally expect that data will differ slightly from current consiering that WDI regularly updates old data points.
4. Next, use the blended data to rebuild the model to see the impact. Note any discrepancies that do not make sense. I also recommend building the model for datapoints that had a huge difference from the old data.

Electricity Access Data

Introduction-

This section explains the methodology that is to be followed when importing Electricity Access data into Ifs. It also describes certain problems that a user might face in interpreting, understanding the data.

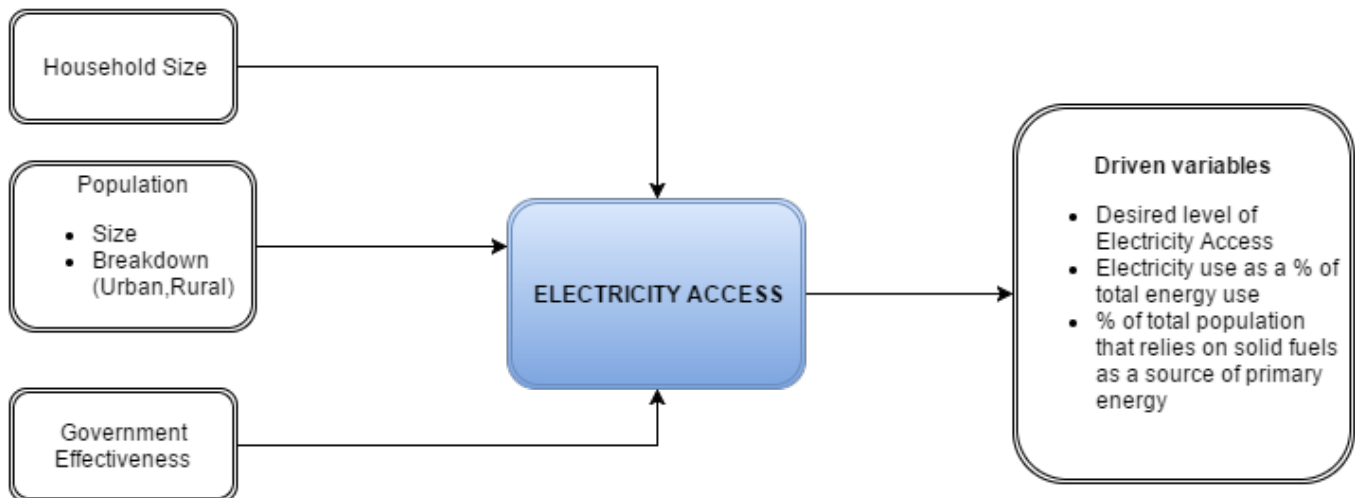### Representation of Electricity access data in IFs

Electricity access data in Ifs is broken down into electricity access for Urban areas and Electricity access for rural areas. It is represented as a percentage i.e. percentage of urban population with electricity access and percentage of rural population with electricity access. This data is used in the following computations in Ifs,

1. Desired level of electricity access
2. Electricity use as a % of total energy use
3. % of population that relies on solid fuels as the primary source of domestic energy

This data is affected by the following drivers in IFs,

1. The household size
2. Population size
3. Breakdown of population (Urban, Rural)
4. Government effectiveness

Below is a simple diagrammatic representation of Electricity Access in Ifs,

Untitled Diagram (6).png

7.22

Source for data- Electricity Access data is available from a variety of sources. The two main sources of data for the same are,

1. WDI- the World Bank publishes data for electricity access data for 186 countries. A bifurcation is available between Rural Electrification and Urban Electrification. The data is available at http://data.worldbank.org/indicator/EG.ELC.ACCS.ZS

2. IEA- the International Energy Agency publishes this data as well, but only for developing countries. This data is published as a part of the world energy outlook. The data is available at
http://www.worldenergyoutlook.org/resources/energydevelopment/energyaccessdatabase/

Series to be updated

1. National Electricity Access - SeriesEnElecAccess%National
2. Rural Electricity Access- SeriesEnElecAccess%Rural
3. Urban Electricity Access- SeriesEnElecAccess%Urban

Comparison of WDI and IEA data

When the WDI and IEA data were compared, in order to verify whether the datasets could be blended, we found that the year on year data was too dissimilar to blend. For Example, for some countries the 2013 value from IEA was lower than the 2012 value from WDI. (This

is not logical, since electrification rates cannot go down). Also, for some other countries the 2013 IEA value was abnormally high considering the historical growth rates of electrification for the country or region in question. Blending these datasets would create transients in the IFs forecasts for future years. **Hence, it is recommended that the user only use the WDI data when updating this series.**

<u>**Country List to be used**</u> **–** World Bank countries