

2024 KOF Globalisation Index: Variables description

Dimension	Variable Name	Variable Definitions	Source
Trade Globalisation, de facto (KOFTrGldf)	Trade in goods	Exports and imports of goods (% of GDP).	World Bank WDI (2024)
	Trade in services	Exports and imports of services (% of GDP).	World Bank WDI (2024)
	Trade partner diversity	Average of the Herfindahl-Hirschman market concentration index for exports and imports of goods (inverted).	IMF DOTS (2023) and own calculations
Trade Globalisation, de jure (KOFTrGldj)	Trade regulations	Average of two subcomponents: Prevalence of non-tariff trade barriers and compliance costs of importing and exporting.	Gwartney et al. (2024)
	Trade taxes	a	World Bank WDI (2024)
	Tariffs	Unweighted mean of tariff rates.	Gwartney et al. (2024)
	Trade agreements	Number of bilateral and multilateral free trade agreements.	Egger and Larch (2008)
Financial Globalisation, de facto (KOFFIGldf)	Foreign direct investment	Sum of stocks of assets and liabilities of foreign direct investments (% of GDP).	Lane and Milesi-Ferretti (2018)
	Portfolio investment	Sum of stocks of assets and liabilities of international equity portfolio investments (% of GDP).	Lane and Milesi-Ferretti (2018)
	International debt	Sum of inward and outward stocks of international portfolio debt securities and international bank loans and deposits (% of GDP).	Lane and Milesi-Ferretti (2018)
	International reserves	Includes foreign exchange (excluding gold), SDR holdings and reserve position in the IMF (% of GDP).	Lane and Milesi-Ferretti (2018)
	International income payments	Sum of capital and labour income to foreign nationals and from abroad (% of GDP).	World Bank WDI (2024)
Financial Globalisation, de jure (KOFFIGldj)	Investment restrictions	Prevalence of foreign ownership and regulations to international capital flows.	Gwartney et al. (2024)
	Capital account openness	Chinn-Ito index of capital account openness.	Chinn, Ito (2006, 2008)
	International investment agreements	Number of Bilateral Investment Agreements (BITs) and Treaties with Investment Provisions (TIPs).	UNCTAD (2023)
Interpersonal Globalisation, de facto (KOFIoGldf)	International voice traffic	International incoming and outgoing fixed and mobile telephone traffic in minutes (% of population).	ITU (2023)
	Transfers	Secondary income paid and received. Gross inflows and outflows of goods, services, income or financial items without a quid pro quo (% of population).	World Bank WDI (2024)
	International tourism	Arrivals and departures of international tourists (% of population).	World Bank WDI (2024)
	International students	Inbound and outbound number of tertiary students (% of population).	World Bank WDI (2024)
	Migration	Number of foreign or foreign-born residents (% of population).	World Bank WDI (2024)
Interpersonal Globalisation, de jure (KOFIoGldj)	Telephone subscriptions	Fixed telephone and mobile subscriptions (% of population).	World Bank WDI (2024)
	Freedom to visit	Percentage of countries for which a country requires a visa from foreign visitors.	Czaika et al. (2018) and IATA (2019)
	International airports	Number of airports that offers at least one international flight connection (% of population).	ICAO (2024)
Informational Globalisation, de facto	Internet bandwidth	Total used capacity of international internet bandwidth in bits per second (% of population).	ITU (2023)
	International patents	Patent applications by non residents filed through the Patent Cooperation Treaty procedure or with a national patent office (% of population).	World Bank WDI (2024)
	High technology exports	Exports of high R&D intensity products in current US\$ (% of population).	World Bank WDI (2024)
Informational Globalisation, de jure	Television access	Share of households with a television set.	ITU (2023)
	Internet access	Individuals using the internet (% of population).	World Bank WDI (2024)
	Press freedom	Quantification of the legal environment for the media, political pressure that influence reporting and economic factor that affect access to news and information.	Freedom House (2024a)
Cultural Globalisation, de facto (KOFcuGldf)	Trade in cultural goods	Exports and imports of cultural goods defined as in UNESCO (2009) (% of population).	UN Comtrade (2021)
	Trade in personal services	Exports and imports of personal, cultural and recreational services (% of population).	IMF BOPS (2024)
	International trademarks	Applications to register a trademark with a national or regional Intellectual Property (IP) office by non residents in percent of all applications.	World Bank WDI (2024)
	McDonald's restaurant	Number of McDonald's restaurants (% of population).	McDonald's (various years)
	IKEA stores	Number of IKEA stores (% of population)	IKEA (various years)
Cultural Globalisation, de jure (KOFcuGldj)	Gender parity	Ratio of girls to boys enrolled in primary education level in public and private schools.	World Bank WDI (2024)
	Human capital	Human capital index based on the average years of schooling and an assumed rate of return to education.	Feenstra et al. (2015) / PWT version 10.01
	Civil liberties	Quantification of aspects on freedom of expression and belief, associational and organizational rights, rule of law and personal autonomy and individual rights.	Freedom House (2024b)
Political Globalisation, de facto (KOFFPoGldf)	Embassies	Absolute number of embassies in a country.	Europa World Yearbook (various years)
	UN peace keeping missions	Personnel contributed to U.N. Security Council Missions (% of population).	UN Department of Peacekeeping Operations (various years)
	International NGOs	Number of internationally oriented nongovernmental organisations (NGO) operating in that country.	Yearbook of International Organizations (various years)
Political Globalisation, de jure (KOFFPoGldj)	International organisations	Number of international inter-governmental organisations in which a country is member.	CIA World Factbook (various years)
	International treaties	International treaties signed between two or more states and ratified by the highest legislative body of each country since 1945.	United Nations Treaty Collection (various years)
	Treaty partner diversity	Number of distinct treaty partners of a country with bilateral investment treaties (BITs).	UNCTAD (2023)

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