2022 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 (2022)
	Trade in services Trade partner diversity	Exports and imports of services (% of GDP). Average of the Herfindahl-Hirschman market concentration index for exports and imports of goods (inverted).	World Bank WDI (2022) IMF DOTS (2022) 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. (2022)
	Trade taxes Tariffs	Income from taxes on international trade as percentage of revenue (inverted). Unweighted mean of tariff rates.	World Bank WDI (2022) Gwartney et al. (2022)
	Trade agreements	Number of bilateral and multilateral free trade agreements.	Egger and Larch (2008)
Financial Globalisation, de facto (KOFFiGldf) Financial Globalisation, de	Foreign direct investment	Sum of stocks of assets and liabilities of foreign direct investments (% of GDP).	Lane and Milesi-Ferretti (2018) and IMF IIP (2022)
	Portfolio investment	Sum of stocks of assets and liabilities of international equity portfolio investments (% of GDP).	Lane and Milesi-Ferretti (2018) and IMF IIP (2022)
	International debt	Sum of inward and outward stocks of international portfolio debt securities and international bank loans and deposits (% of GDP). Includes foreign exchange (excluding gold), SDR holdings and reserve position in the IMF (%	Lane and Milesi-Ferretti (2018) and IMF IIP (2022) Lane and Milesi-Ferretti (2018)
	International reserves International income payments	of GDP). Sum of capital and labour income to foreign nationals and from abroad (% of GDP).	and IMF IIP (2022) World Bank WDI (2022)
	Investment restrictions	Prevalence of foreign ownership and regulations to international capital flows.	Gwartney et al. (2022)
jure (KOFFiGldj)	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 (2022)
Interpersonal Globalisation, de facto (KOFIpGldf)	International voice traffic	International incoming and outgoing fixed and mobile telephone traffic in minutes (% of population).	ITU (2021)
	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 (2022)
	International tourism	Arrivals and departures of international tourists (% of population).	World Bank WDI (2022)
	International students Migration	Inbound and outbound number of tertiary students (% of population). Number of foreign or foreign-born residents (% of population).	World Bank WDI (2022) World Bank WDI (2022)
Interpersonal Globalisation, de jure (KOFlpGldj)	Telephone subscriptions	Fixed telephone and mobile subscriptions (% of population).	World Bank WDI (2020)
	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 (2022)
Informational Globalisation, de facto (KOFInGldf)	Internet bandwidth	Total used capacity of international internet bandwidth in bits per second (% of population).	ITU (2021)
	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 (2022)
	High technology exports	Exports of high R&D intensity products in current US\$ (% of population).	World Bank WDI (2022)
Informational Globalisation, de jure (KOFInGIdj)	Television access	Share of households with a television set.	ITU (2021)
•	Internet access	Individuals using the internet (% of population).	World Bank WDI (2022)
	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 (2020a)
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 International trademarks	Exports and imports of personal, cultural and recreational services (% of population). Applications to register a trademark with a national or regional Intellectual Property (IP) office by non residents in percent of all applications.	IMF BOPS (2021) World Bank WDI (2022)
	McDonald's restaurant IKEA stores	Number of McDonald's restaurants (% of population). Number of IKEA stores (% of population)	McDonald's (various years) IKEA (various years)
Cultural Globalisation, de	Gender parity	Ratio of girls to boys enrolled in primary education level in public and private schools.	World Bank WDI (2022)
jure (KOFCuGldj)	Human capital	Human capital index based on the average years of schooling and an assumed rate of return	Feenstra et al. (2015) / Penn
	Civil liberties	to education. Quantification of aspects on freedom of expression and belief, associational and	World Table 9.1 Freedom House (2022b)
Political Globalisation, de facto (KOFPoGIdf)	Embassios	organizational rights, rule of law and personal autonomy and individual rights. Absolute number of embassies in a country.	Europa World Voorbook (various
	Embassies UN peace keeping missions	Personnel contributed to U.N. Security Council Missions (% of population).	Europa World Yearbook (various years) 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 (KOFPoGldj)	International organisations	Number of international inter-governmental organisations in which a country is member.	CIA World Factbook (various
	International treaties	International treaties signed between two or more states and ratified by the highest legislative	years) United Nations Treaty Collection
	Treaty partner diversity	body of each country since 1945. Number of distinct treaty partners of a country with bilateral investment treaties (BITs).	(various years) UNCTAD (2020)

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