

2021 KOF Globalisation Index: Variables description

| Dimension | Variable Name | Variable Definitions | Source |
|--|-------------------------------------|--|--|
| <i>Trade Globalisation, de facto (KOFTrGldf)</i> | Trade in goods | Exports and imports of goods (% of GDP). | World Bank WDI (2021) |
| | Trade in services | Exports and imports of services (% of GDP). | World Bank WDI (2021) |
| | Trade partner diversity | Average of the Herfindahl-Hirschman market concentration index for exports and imports of goods (inverted). | IMF DOTS (2021) and own calculations |
| <i>Trade Globalisation, de jure (KOFTrGldj)</i> | Trade regulations | Average of two subcomponents: Prevalence of non-tariff trade barriers and compliance costs of importing and exporting. | Gwartney et al. (2021) |
| | Trade taxes | Income from taxes on international trade as percentage of revenue (inverted). | World Bank WDI (2021) |
| | Tariffs | Unweighted mean of tariff rates. | Gwartney et al. (2021) |
| | Trade agreements | Number of bilateral and multilateral free trade agreements. | Egger and Larch (2008) |
| <i>Financial Globalisation, de facto (KOFFIGldf)</i> | Foreign direct investment | Sum of stocks of assets and liabilities of foreign direct investments (% of GDP). | Lane and Milesi-Ferretti (2018) and IMF IIP (2021) |
| | Portfolio investment | Sum of stocks of assets and liabilities of international equity portfolio investments (% of GDP). | Lane and Milesi-Ferretti (2018) and IMF IIP (2021) |
| | 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) and IMF IIP (2021) |
| | International reserves | Includes foreign exchange (excluding gold), SDR holdings and reserve position in the IMF (% of GDP). | Lane and Milesi-Ferretti (2018) and IMF IIP (2021) |
| | International income payments | Sum of capital and labour income to foreign nationals and from abroad (% of GDP). | World Bank WDI (2021) |
| <i>Financial Globalisation, de jure (KOFFIGldj)</i> | Investment restrictions | Prevalence of foreign ownership and regulations to international capital flows. | Gwartney et al. (2021) |
| | 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 (2021) |
| <i>Interpersonal Globalisation, de facto (KOFIpGldf)</i> | 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 (2021) |
| | International tourism | Arrivals and departures of international tourists (% of population). | WorBank WDI (2021) |
| | International students | Inbound and outbound number of tertiary students (% of population). | World Bank WDI (2021) |
| | Migration | Number of foreign or foreign-born residents (% of population). | World Bank WDI (2021) |
| <i>Interpersonal Globalisation, de jure (KOFIpGldj)</i> | Telephone subscriptions | Fixed telephone and mobile subscriptions (% of population). | World Bank WDI (2021) |
| | 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 (2021) |
| <i>Informational Globalisation, de facto (KOFInGldf)</i> | 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 (2021) |
| | High technology exports | Exports of high R&D intensity products in current US\$ (% of population). | World Bank WDI (2021) |
| <i>Informational Globalisation, de jure (KOFInGldj)</i> | Television access | Share of households with a television set. | ITU (2021) |
| | Internet access | Individuals using the internet (% of population). | World Bank WDI (2021) |
| | 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 (2021a) |
| <i>Cultural Globalisation, de facto (KOFcuGldf)</i> | 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 (2021) |
| | 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 (2021) |
| | 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) |
| <i>Cultural Globalisation, de jure (KOFcuGldj)</i> | Gender parity | Ratio of girls to boys enrolled in primary education level in public and private schools. | World Bank WDI (2021) |
| | Human capital | Human capital index based on the average years of schooling and an assumed rate of return to education. | Feenstra et al. (2015) / Penn World (2021) |
| | 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 (2021b) |
| <i>Political Globalisation, de facto (KOFpoGldf)</i> | 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) |
| | International organisations | Number of international inter-governmental organisations in which a country is member. | CIA World Factbook (various years) |
| <i>Political Globalisation, de jure (KOFpoGldj)</i> | 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 (2020) |

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