



14th Hungarian Geographical Contest 2022/23

2nd Round

Written Test

Source Booklet

27 January 2023

Do NOT open the booklet until told to do so by a supervisor!

Your answer will NOT be marked if you write it in this booklet!

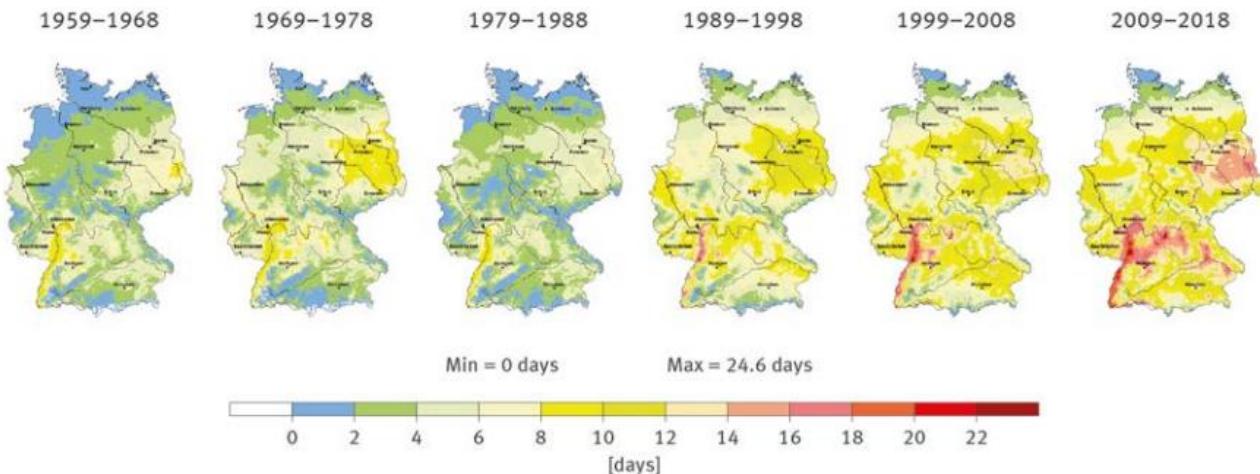


KULTURÁLIS ÉS INNOVÁCIÓS
MINISZTÉRIUM



A. Hot topics

A.1. GERMANY



Observed changes in the annual mean number of hot days (when the highest measured temperature was 30°C or more) in Germany.
Source: German Environment Agency, 2019

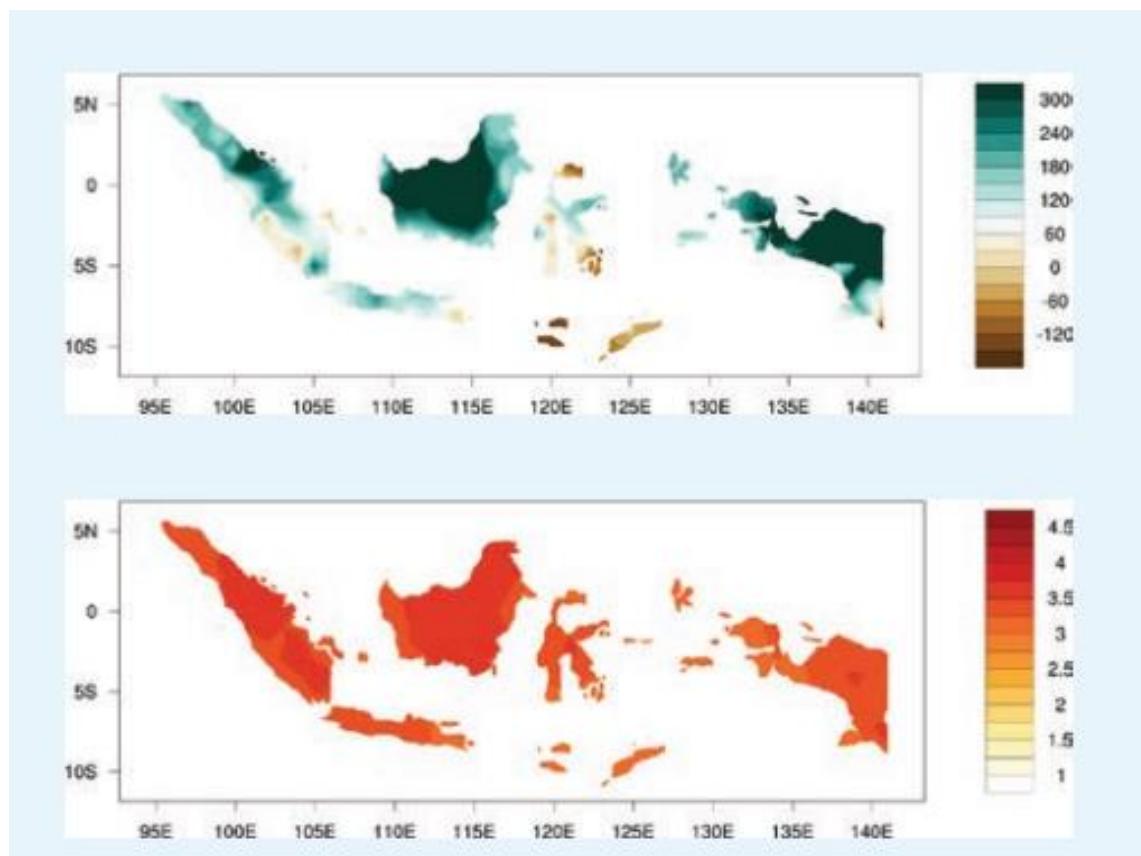
A.2. INDONESIA

Indonesia:

- An archipelago with over 17,000 islands. Coastline: 81,000 km
- 42 million people live on land that is less than 10 m above sea level
- High urbanisation rate (estimated to reach 68% by 2025)
- Densely populated, unplanned settlements
- 42% of the working population is active in the agriculture sector which accounts for 14% of the GDP
- Indonesia has a large number of freshwater resources (particularly surface water), but the country has limited water storage capacity and water shortages are common in the dry season.
- The world's largest mangrove forest, and the largest and most diverse coral reef in Southeast Asia is in Indonesia. This is the habitat of 90% of the fish caught in Indonesia's coastal areas.
- Indonesia is home to the largest rainforest in Asia (around 94 million ha of forest) and the largest tropical peatlands of the world.
- Rice accounts for about half of the calories consumed by the population nationally.

Source: USAID, 2017. Climate Risk Profile: Indonesia. Accessed at <https://www.climatelinks.org/resources/climate-risk-profile-indonesia> on 23 December 2022

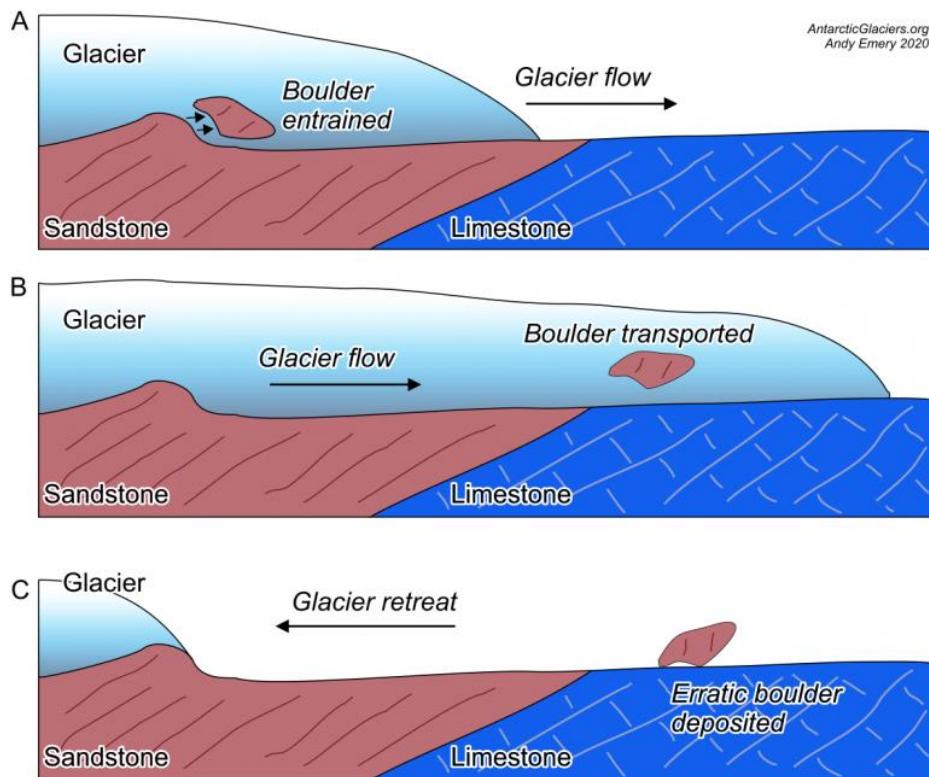
A.2.



Annual precipitation (in mm) and mean temperature (in °C) increases in Indonesia by 2080-2090 compared to the baseline of 1986–2005 based on the business as usual (IPCC RCP 8.5) greenhouse gas emissions scenario. Source: World Bank Group and Asian Development Bank, 2021

B. Icy conditions refuelled

B.1. FORMATION OF ERRATIC BOULDERS



B.1.2. ERRATIC BOULDER (LEFT) IN THE KASHUBIAN LAKELANDS (NW POLAND)



TABLE B.1.3. RESULTS FOR THE ^{10}Be MEASUREMENTS OF SURFACE ROCK SAMPLES. *KA BP MEANS THOUSAND YEARS BEFORE PRESENT

Sample ID	Source material	Age [ka BP*]	Elevation [m asl]
SJAE-0708	Erratic boulder	13.5 ± 1.4	50
FYN-0801	Erratic boulder	18.5 ± 1.6	5
MVP-2	Erratic boulder	24.2 ± 5.9	94
MVP-20	Boulder (moraine)	19.2 ± 1.7	100
POM-17	Erratic boulder	12.0 ± 1.3	60
PM-17	Boulder (moraine)	23.5 ± 1.8	248

B.1.4



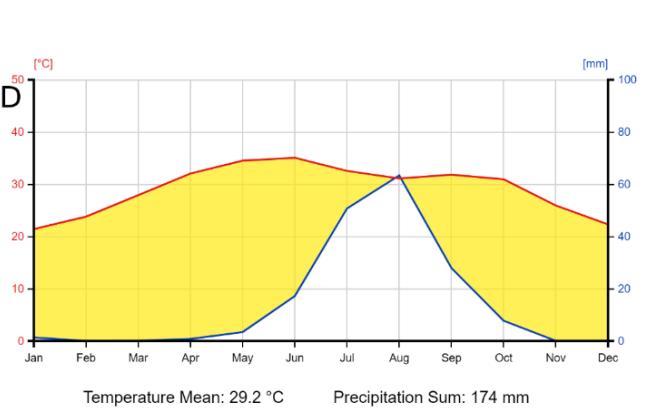
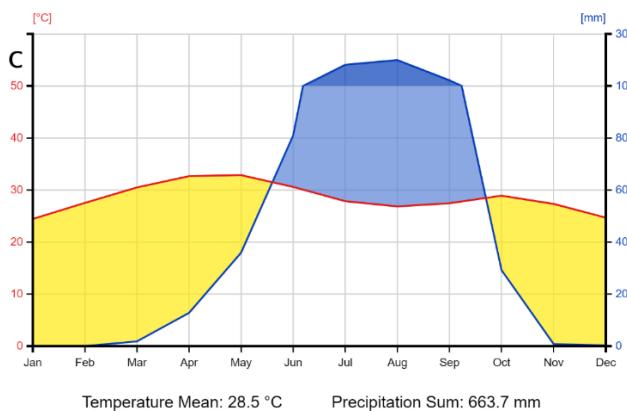
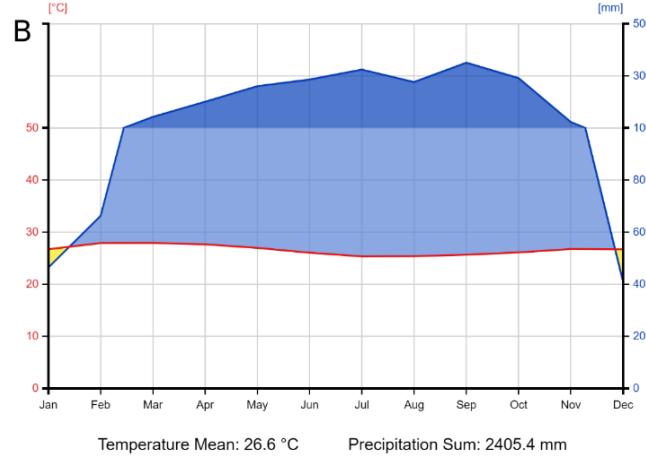
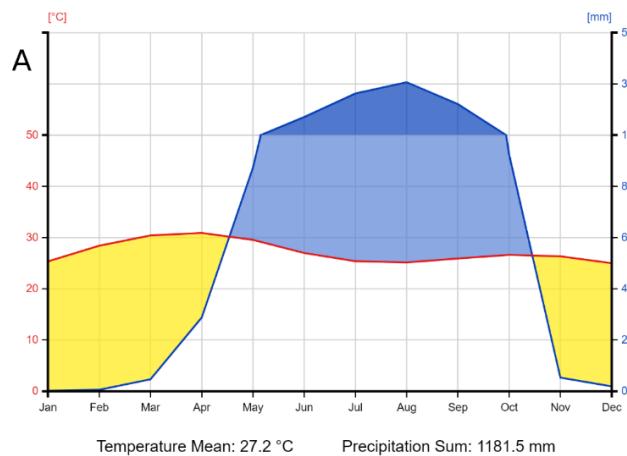
The southern Baltic area with the three major ice sheet limits during the last **glacial periods**

B.2. LANDSCAPES FROM THE BALTIC REGION



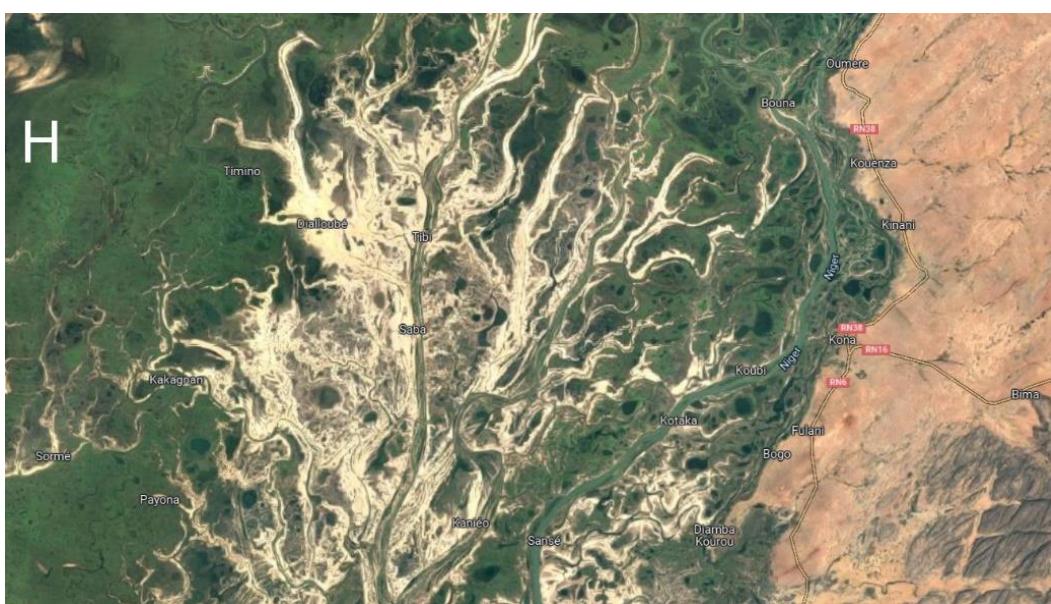
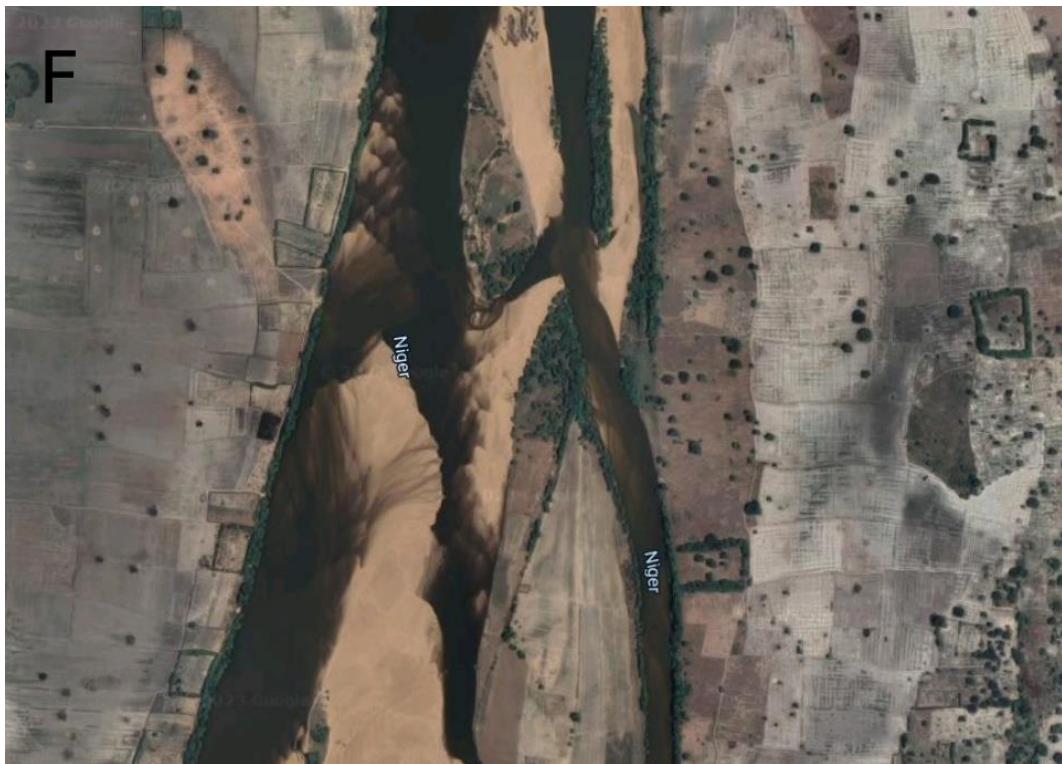
C. Journey on the Niger River

C.1. CLIMATE DIAGRAMS ALONG THE RIVER



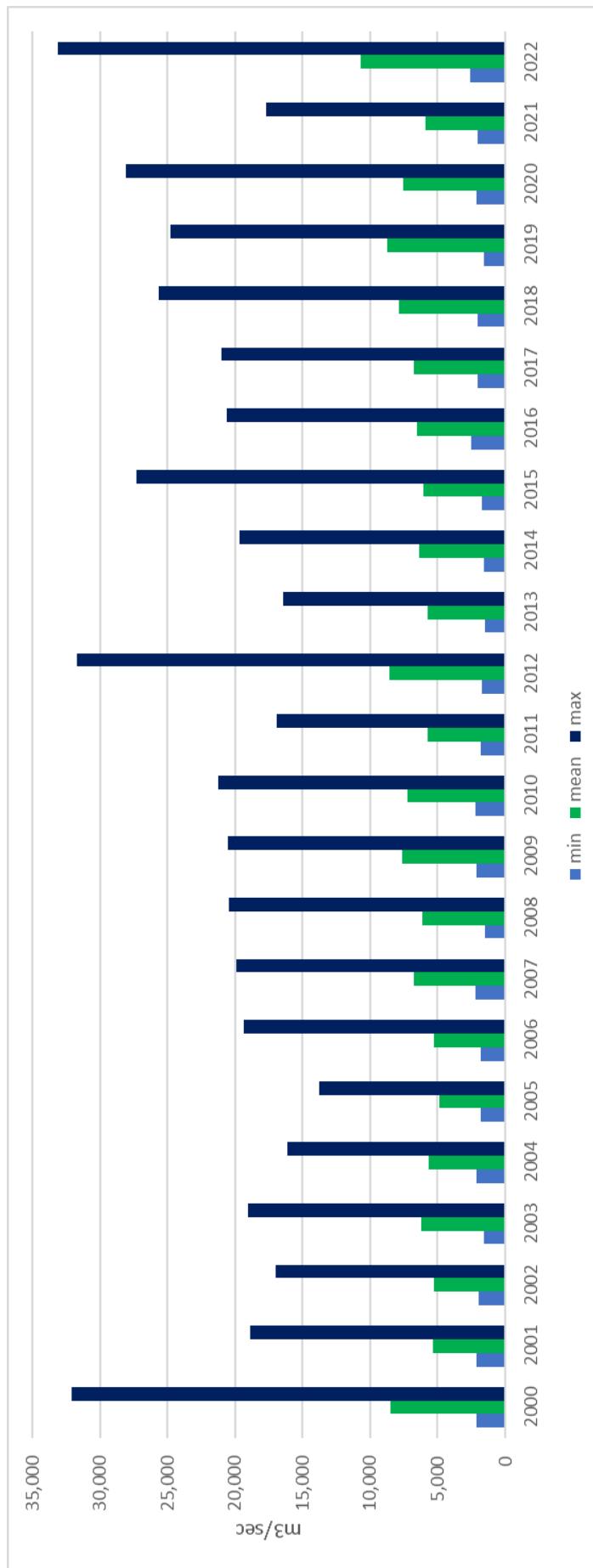
C.2. RIVER SECTIONS





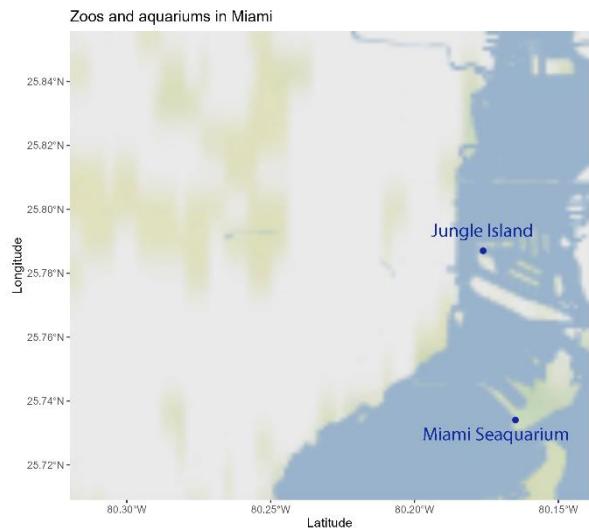
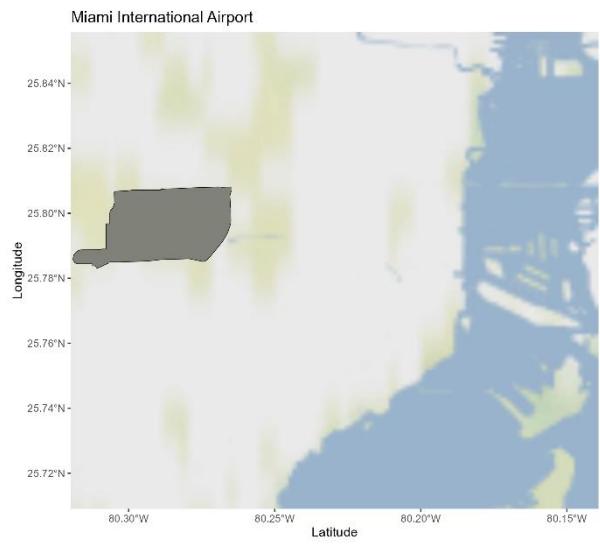
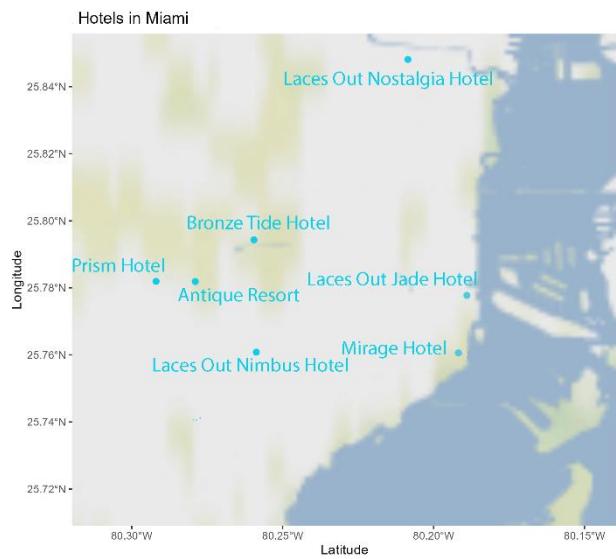
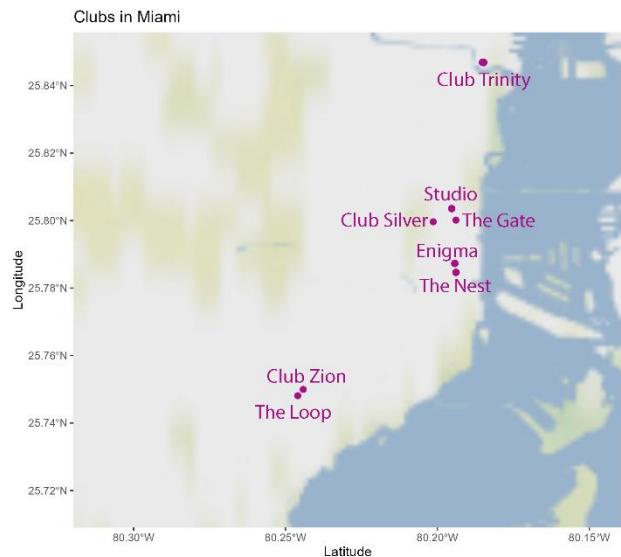
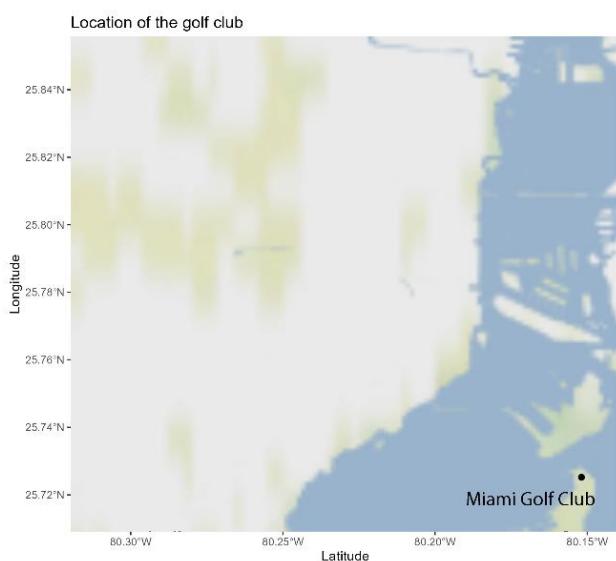


C.3. MINIMUM, MEAN AND MAXIMUM DISCHARGE OF THE NIGER RIVER AT LOKOJA, NIGERIA (M³/SEC; 2000-2022)

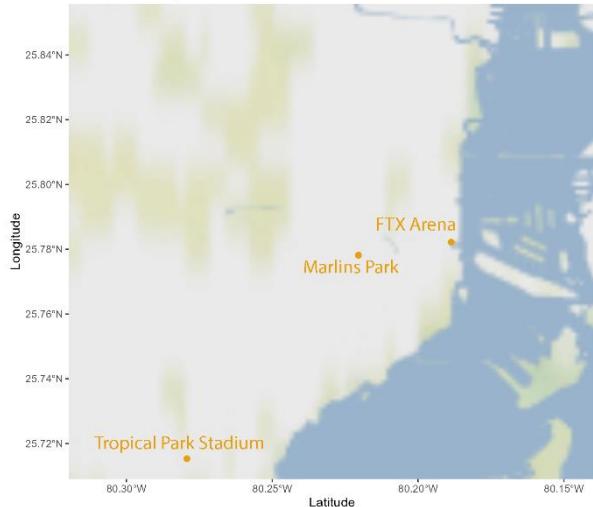


D. Lying with maps

D.1.1. THE GOLF CLUB'S MAP



Stadiums and sport halls in Miami



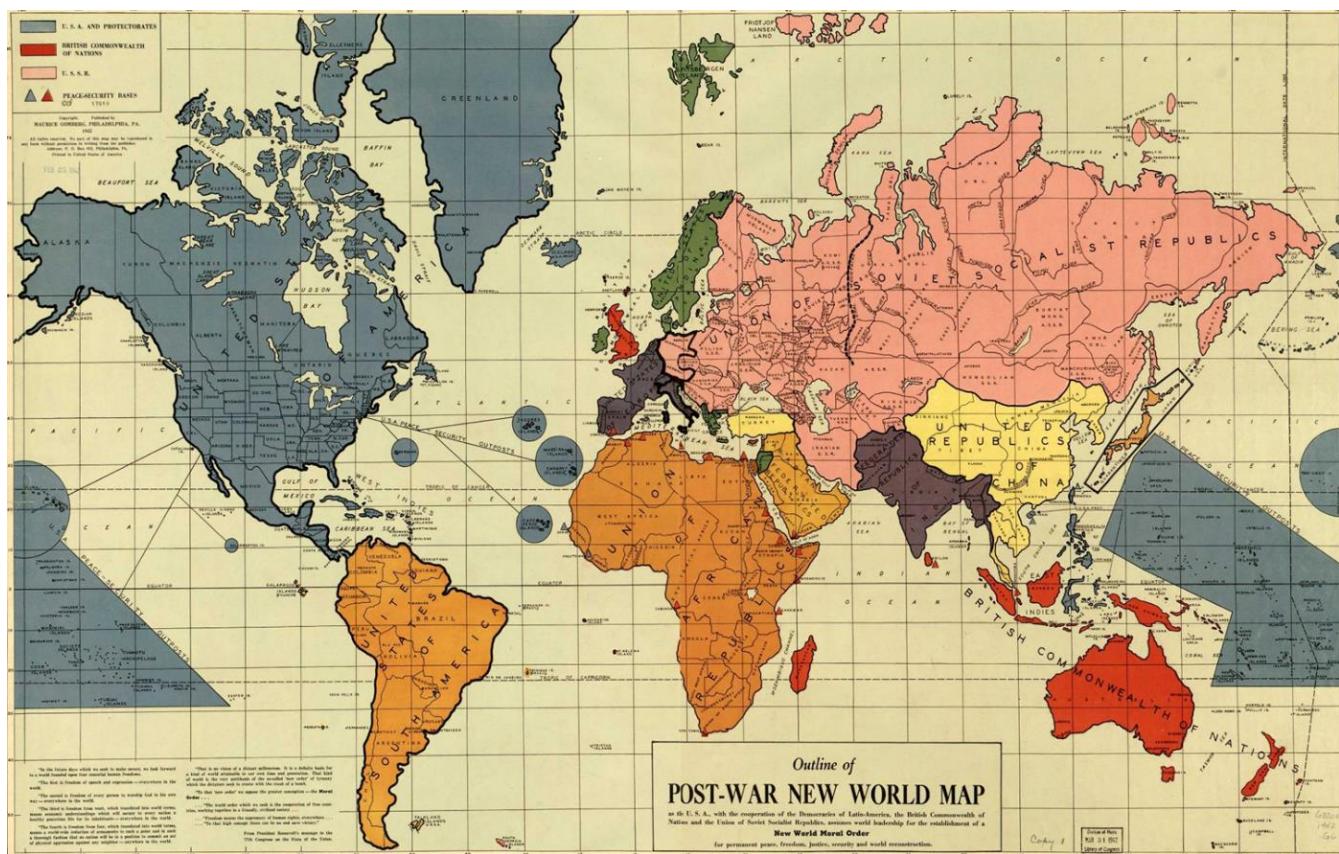
Museums in Miami



D.2. PROPAGANDA STAMPS

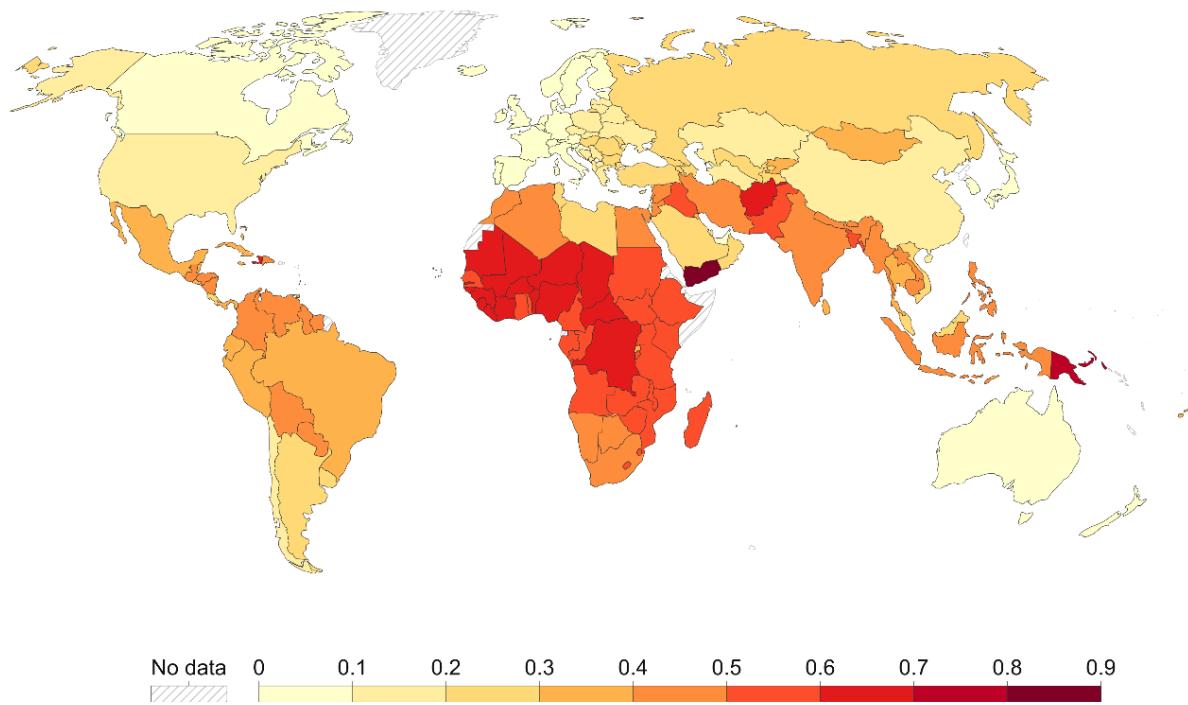


D.3. WORLD MAP OF THE LATE 1940'S



E The Gender Scenario

E.1. GENDER INEQUALITY INDEX, 2021



Source: UNDP, Human Development Report (2021-22)

OurWorldInData.org/economic-inequality-by-gender • CC BY

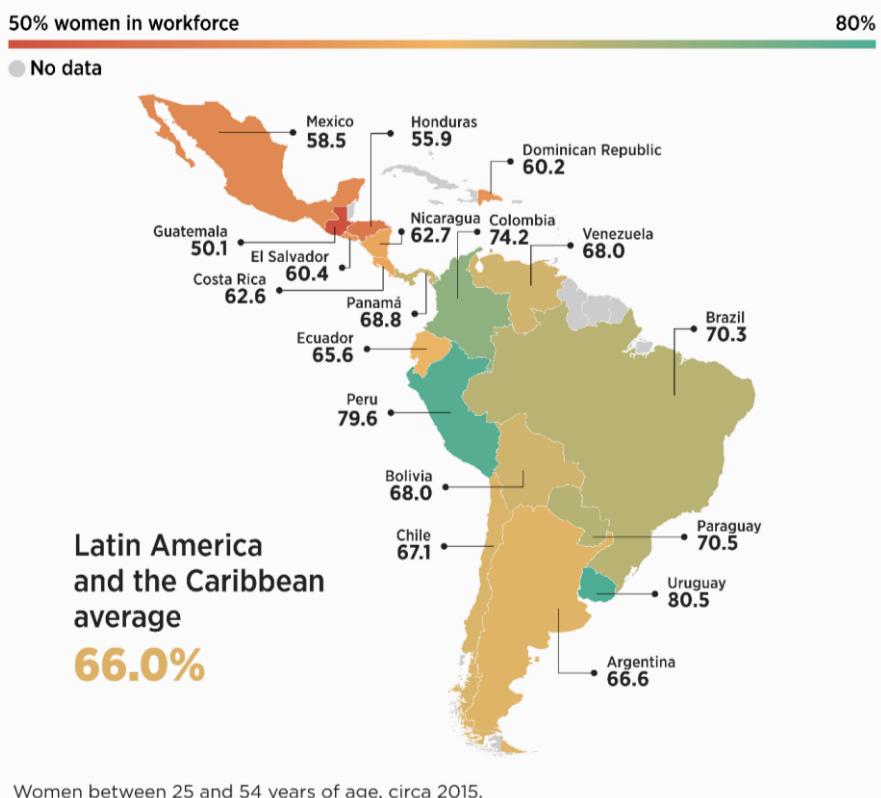
TABLE E.3. STATISTICS BY GENDER IN SELECTED LATIN AMERICAN COUNTRIES

MEAN YEARS OF SCHOOLING 2021 (YEARS)	ESTIMATED GROSS NATIONAL INCOME PER CAPITA 2017 (PPP \$)	HUMAN DEVELOPMENT INDEX* 2021	POPULATION WITH AT LEAST SOME SECONDARY EDUCATION 2021 (% AGES 25 AND OLDER)				LABOUR FORCE PARTICIPATION RATE 2021 (% AGES 15 AND OLDER)				POPULATION NUMBER 2021
			Female	Male	Female	Male	Female	Male	Female	Male	
COLOMBIA	9.02	8.70	10,281	18,599	0.74	0.76	58.86	56.54	52.18	78.00	26,094,433
VENZUELA (BOLIVARIAN REPUBLIC OF)	11.36	10.85	2,866	6,796	0.68	0.69	79.84	75.37	34.35	67.81	14,594,639
BRAZIL	8.33	7.89	10,903	17,960	0.75	0.75	62.45	59.10	49.11	68.24	108,891,925
PANAMA	10.79	10.26	23,380	30,531	0.81	0.80	70.18	68.69	50.39	72.57	2,188,999
COSTA RICA	8.89	8.70	16,568	23,376	0.81	0.81	56.24	54.53	47.53	71.14	2,572,219
EL SALVADOR	6.77	7.62	5,824	11,015	0.66	0.68	42.65	51.43	43.58	72.57	3,468,951

*The Human Development Index (HDI) is a summary measure of average achievement in key dimensions of human development: a long and healthy life, being knowledgeable and have a decent standard of living. The HDI is the geometric mean of normalized indices for each of the three dimensions.

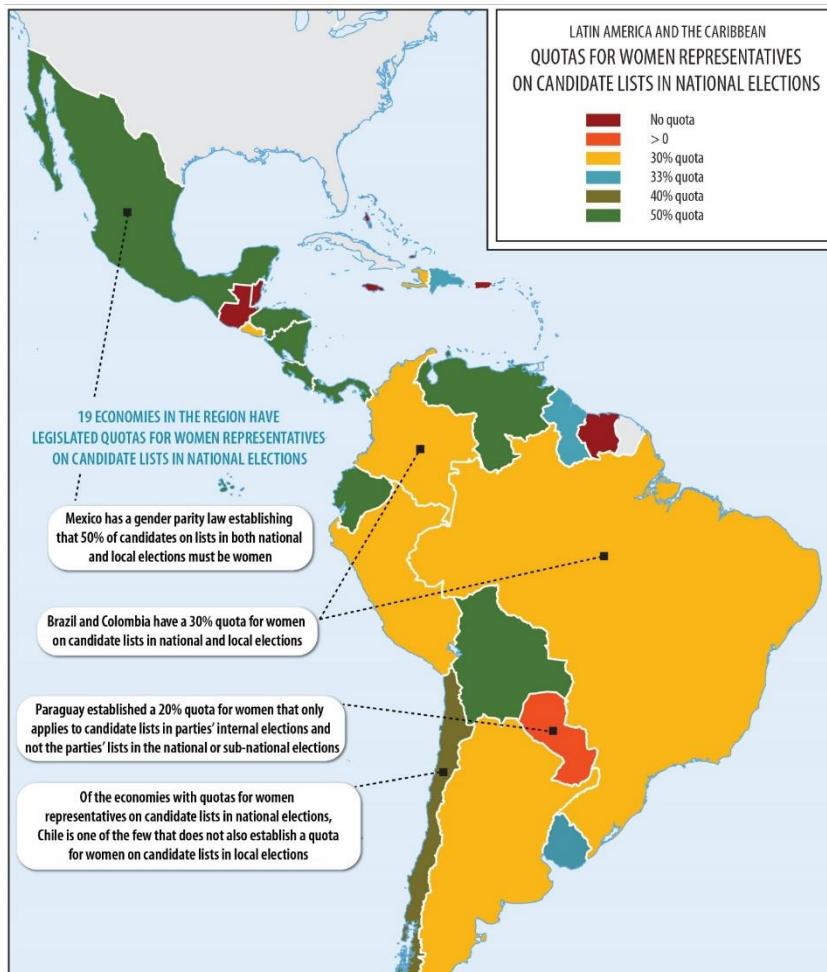
E.4.

The rate of women in the workforce is still low in Latin America



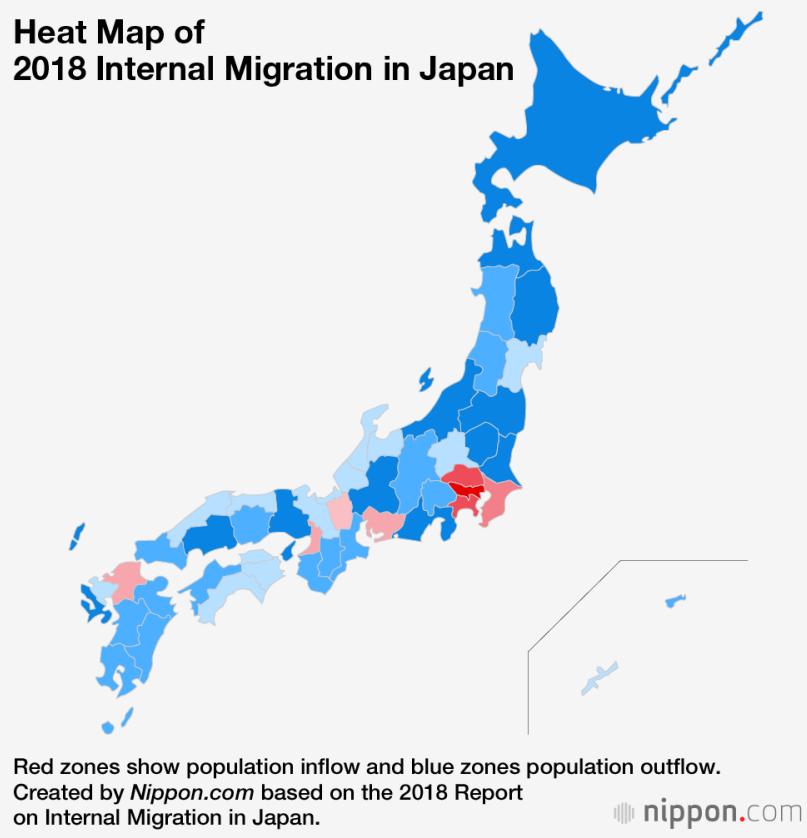
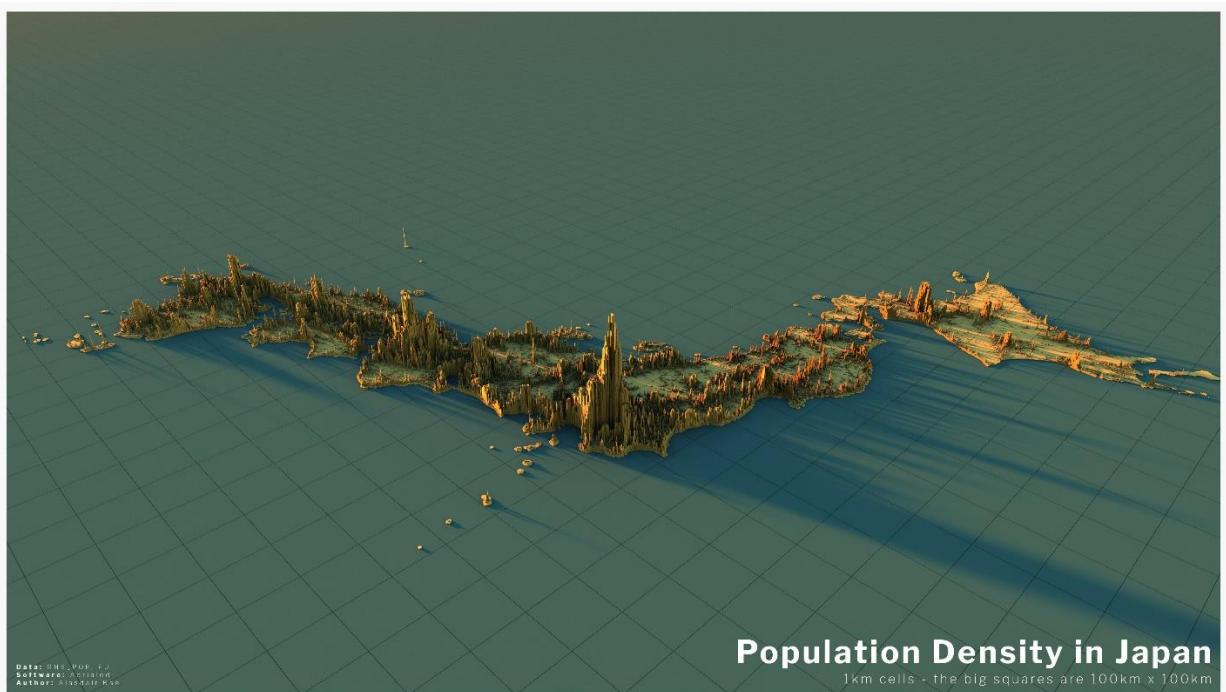
Women between 25 and 54 years of age, circa 2015.

Source: "Participación laboral femenina", BID y CEDLAS (2019)



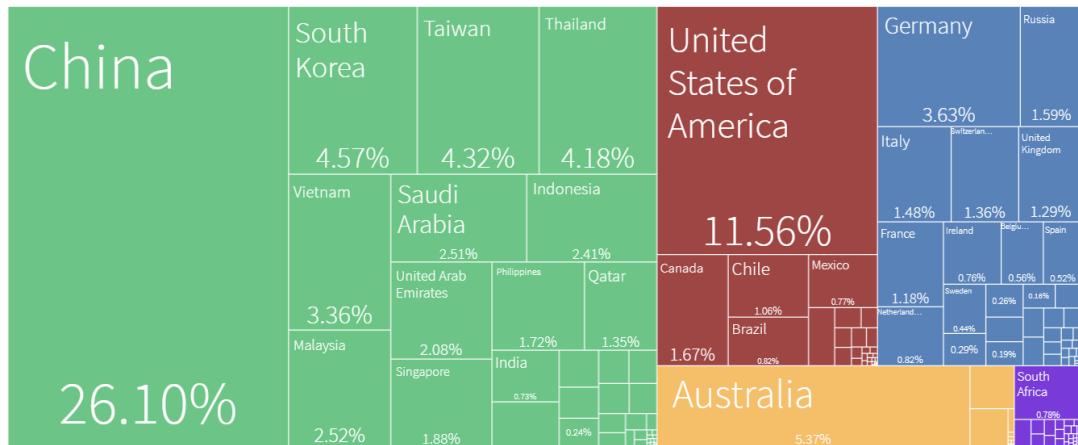
F. Japan – from miracle to sunset?

F.1.



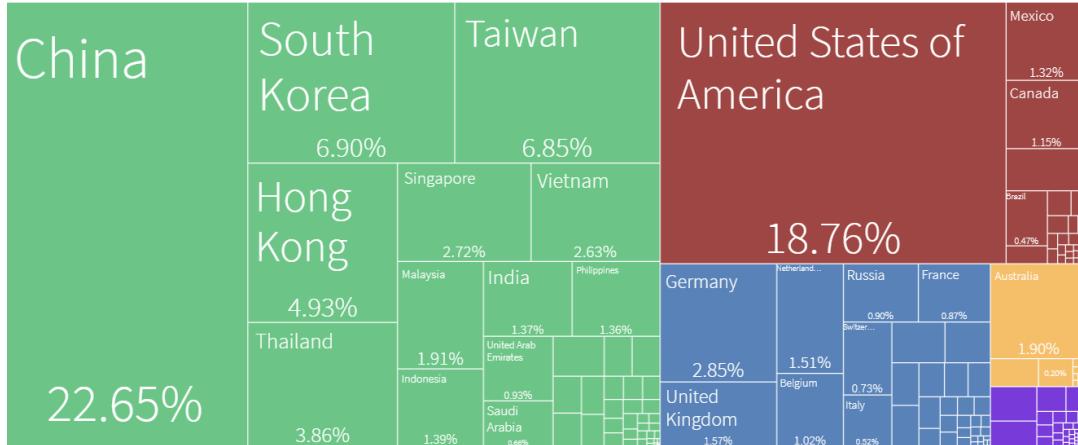
F.2. TRADE PARTNERS

F.2.1.



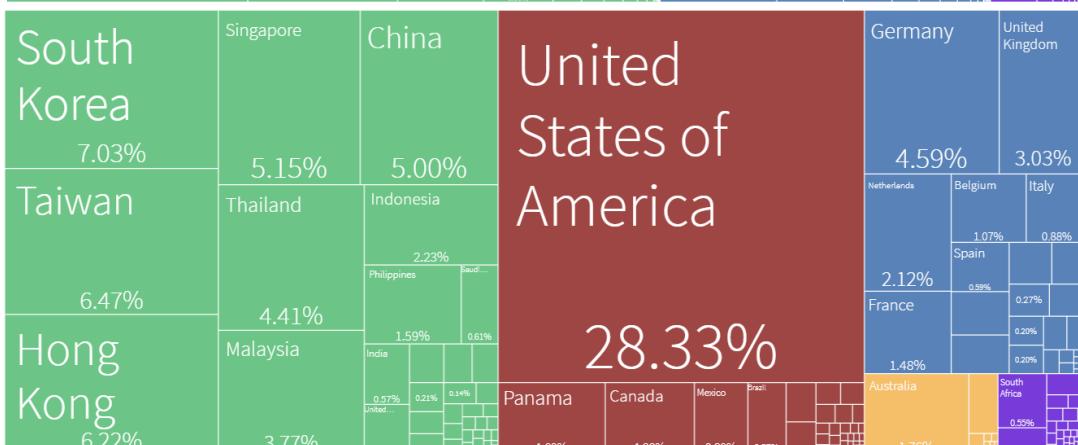
26.10%

F.2.2.



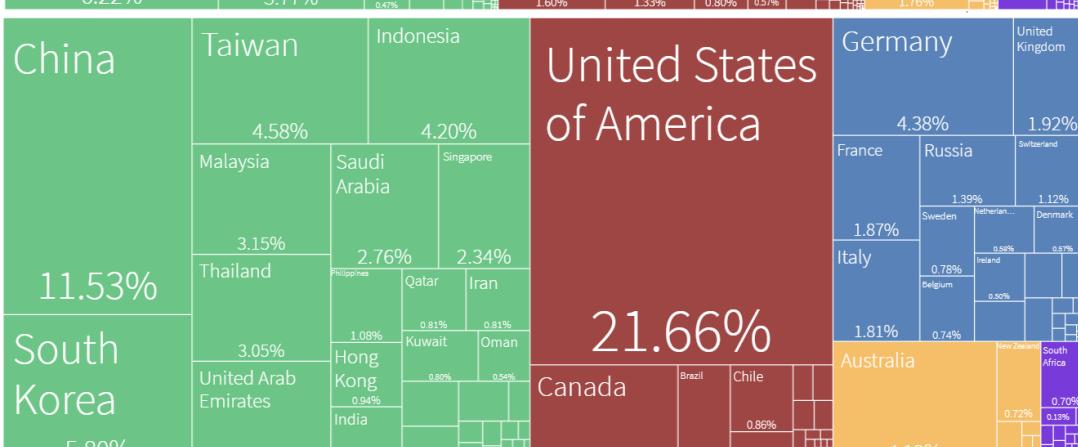
22.65%

F.2.3.



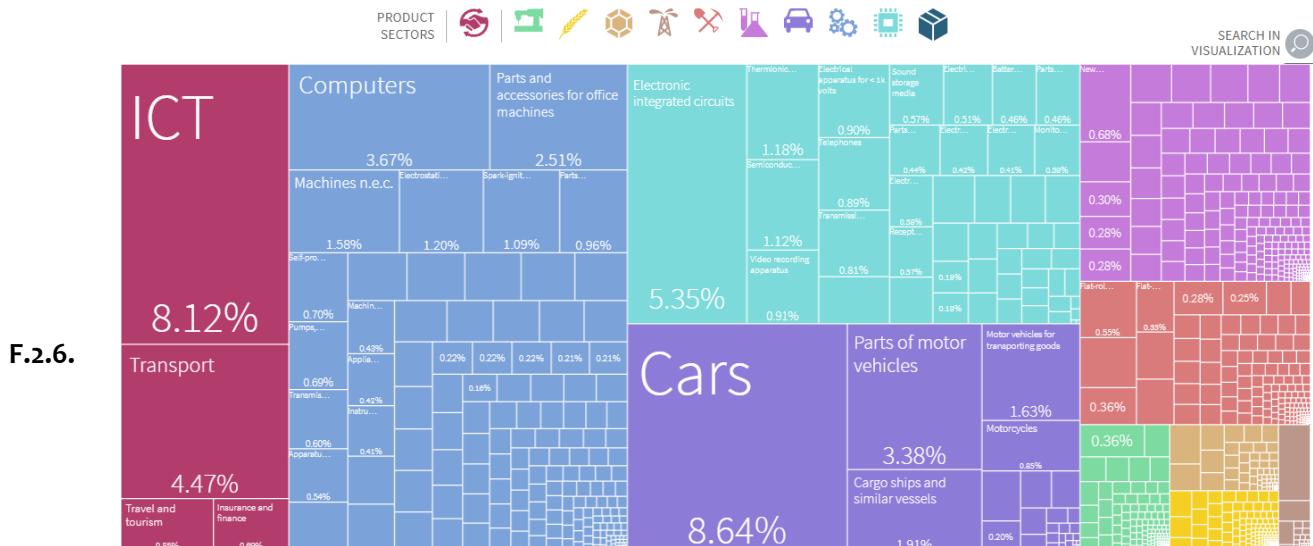
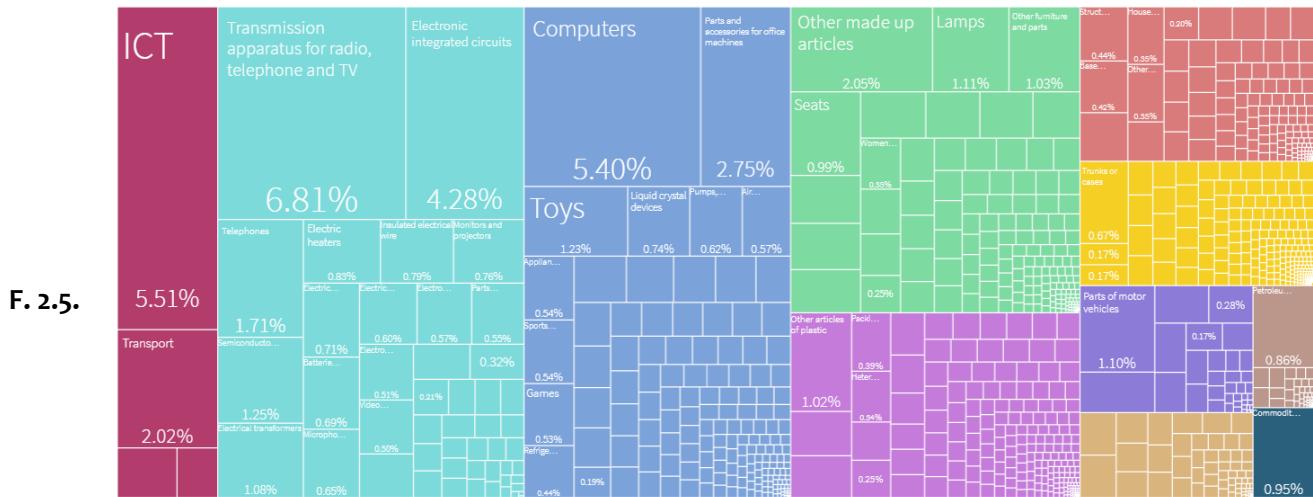
6.22%

F.2.4.

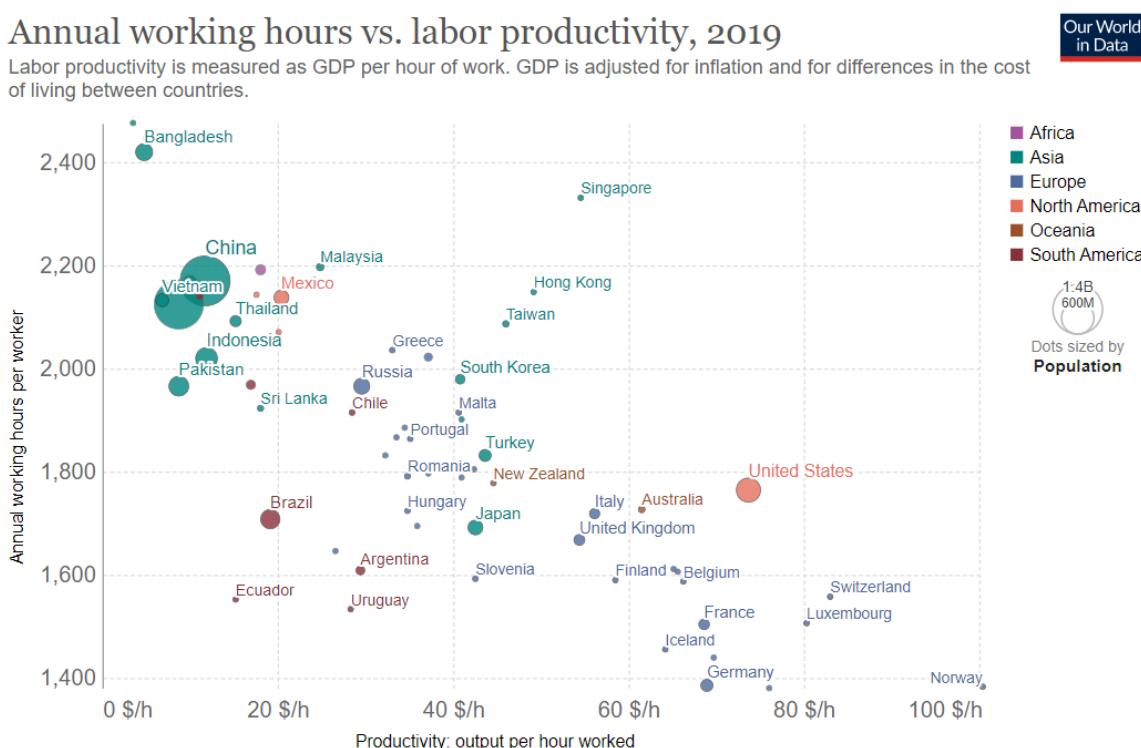


5.80%

F.2. TRADE STRUCTURE



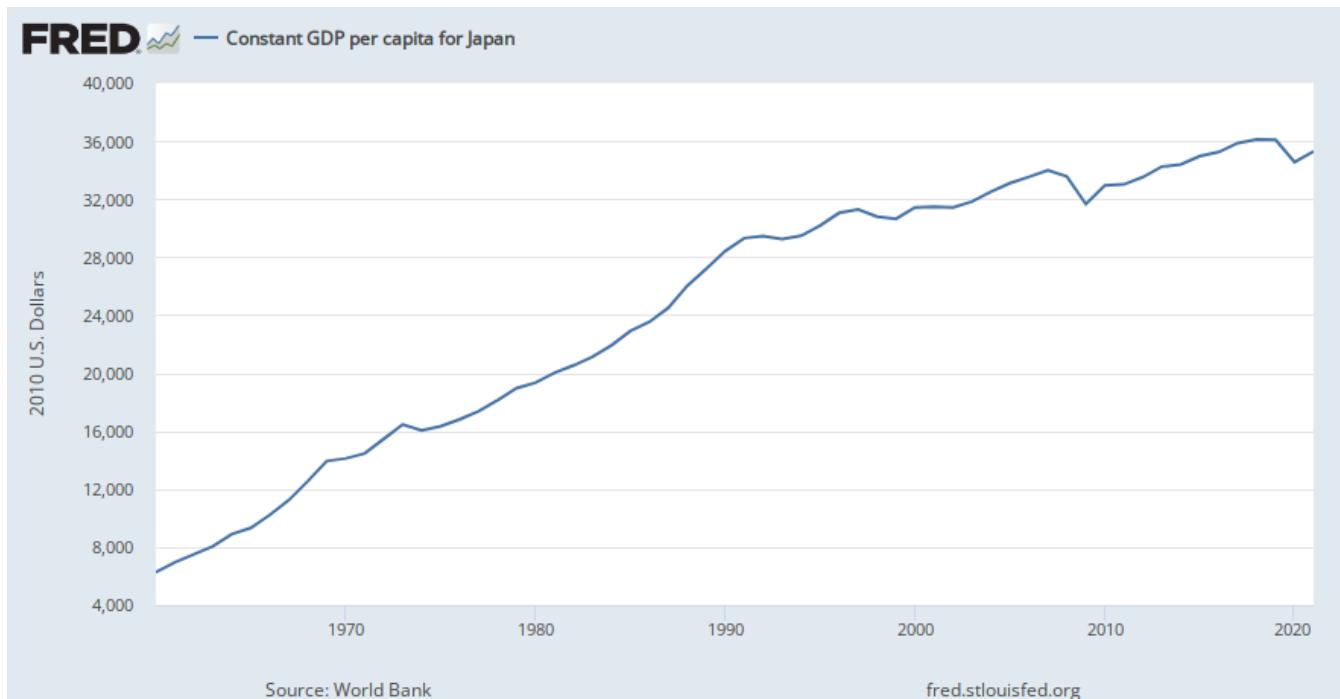
F.4.1



Source: Feenstra et al. (2015), Penn World Table 10.0

OurWorldInData.org/working-hours • CC BY

F.4.2. GDP PER CAPITA IN JAPAN, CONSTANT PRICES



F.4.3. ANNUAL REAL GDP-GROWTH IN JAPAN, 1985-2021, % (Y/Y)

