Data Visualization

Final Report

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Occurrences

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Visualization 2
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Prevalence of specific mental health disorders and substance abuse disorders males .vs females

Multiple datasets with the:

- 1. Prevalence of alcohol use disorders males. vs females
- 2. Prevalence of drug use disorders males. vs females
- 3. Prevalence of anxiety disorders males. vs females
- 4. Prevalence of depression disorders males. vs females
- 5. Prevalence of bipolar disorders males. vs females
- 6. Prevalence of schizophrenia disorders males. vs females
- 7. Prevalence of eating disorders males. vs females

Institute of Health Metrics and Evaluation (IHME) Reported in Global Burden of Disease (GBD

- Collected from documentation of diagnoses
- Time span of 1990-2017
- Globally per country and region

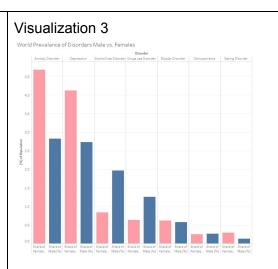
Gapminder, HYDE (2016) and United Nations Population Division (2019)

- Data constructed by a long-run population series, population estimates and population prospects, Moreover, data have been combined and labeled per continent.
- Time span of -10.000 to 2019
- Globally per country and region

World Health Organization (WHO) international classification of Diseases (ICD).

- Time span 2015
- Global by country
- Collected from documentation of diagnoses

Presented by Hannah Ritchie and Max Roser Retrieved from Our World in Data First published: April 2018 <u>https://ourworldindata.org/alcohol-consumption</u> <u>https://ourworldindata.org/illicit-drug-use</u> https://ourworldindata.org/mental-health#prevalenc



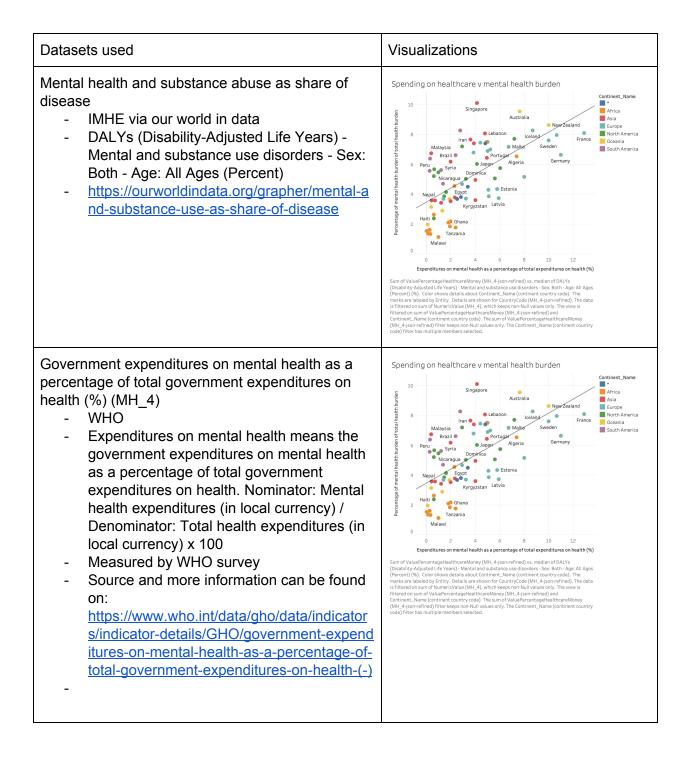
e-of-mental-health-disorders-by-genders	

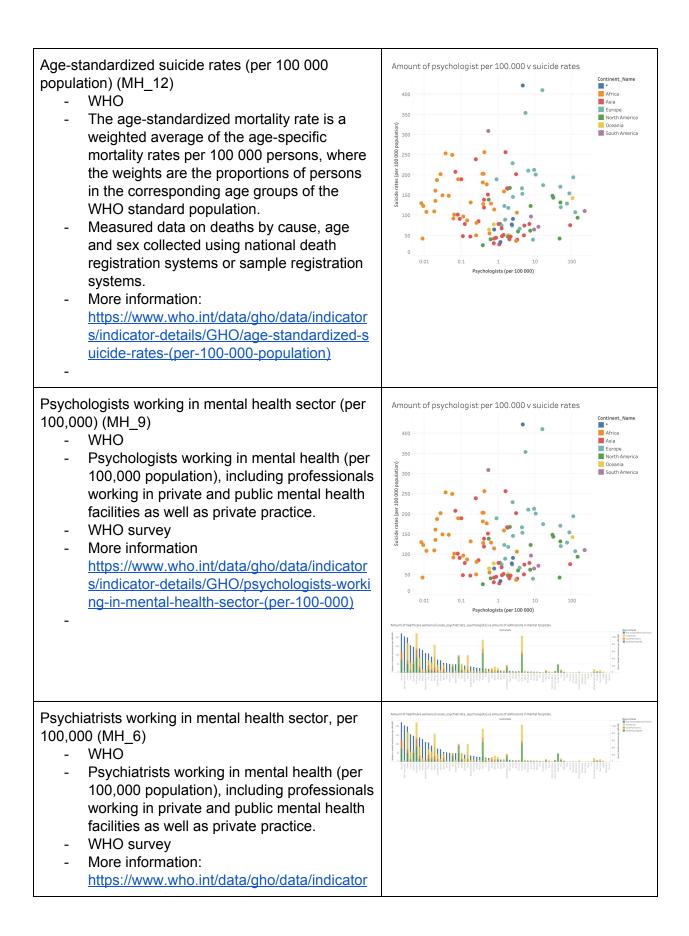
Substance Abuse

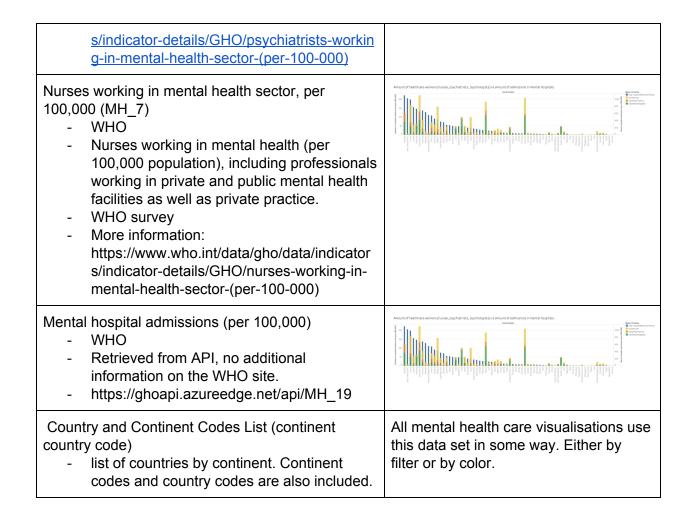
Datasets used	Visualizations
 Dataset 1 Organisation Society for the Study of Addiction What data Alcohol and/or Drugs Addiction susceptibility as a consequence of Mental Health Issues Measured Survey Link https://ourworldindata.org/mental-health-dis orders-as-risk-for-substance-use Original Source: doi.org/10.1111/j.1360-0443.2010.02902.x 	
Dataset 2 - Organisation Numbeo - What data Prices of alcoholic drinks - Measured Consumer input and review - Link https://www.numbeo.com/cost-of-living/prices_by_country.jsp?displayCurrency=EUR&itemld=15	Visualization 2
 Dataset 3 Organisation World Health Organization, Global Health Observatory Data Repository What data Alcohol Consumption per Capita World Wide Measured The estimates for the total alcohol consumption are produced by summing up the 3-year average per capita (15+) recorded alcohol consumption and an 	

 estimate of per capita (15+) unrecorded alcohol consumption for a calendar year. Tourist consumption takes into account tourists visiting the country and inhabitants visiting other countries. Link https://ourworldindata.org/alcohol-consumption Original Source: https://databank.worldbank.org/reports.aspx ?source=world-development-indicators Dataset 4 Organisation European Monitoring Center for Drugs and Drug Addiction What data Number of Rehab Facilities and Treatments Measured Registration of health care facilities in Europe Link https://www.emcdda.europa.eu/attachement 		
 Organisation European Monitoring Center for Drugs and Drug Addiction What data Number of Rehab Facilities and Treatments Measured Registration of health care facilities in Europe Link 	 consumption for a calendar year. Tourist consumption takes into account tourists visiting the country and inhabitants visiting other countries. Link https://ourworldindata.org/alcohol-consumpti On Original Source: https://databank.worldbank.org/reports.aspx 	
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Registration of health care facilities in Europe - Link	Number of Rehab Facilities and Treatments	
Europe - Link	- Measured	
- Link Prevention of the source of the sourc	Registration of health care facilities in	
	Europe	
https://www.emcdda.europa.eu/attachement	- Link	
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Health Care







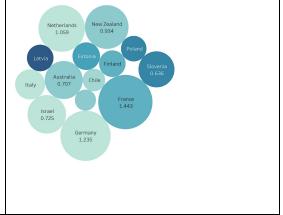
Government

Datasets used	Visualizations
Current health expenditure - The world bank - %GDP expenditure - <u>https://data.worldbank.org/indicator/SH.XPD</u> .CHEX.GD.ZS	
 Link between mental health and suicide Our World in Data Suicide rate vs prevelance of mental health <u>https://ourworldindata.org/mental-health</u> 	Suicide rate (deaths per 100,000) vs expenditure on mental health as a percentage of total government expenditure on health
 Share with depression Our World in Data Share with depression <u>https://ourworldindata.org/mental-health</u> 	Depression rate(%) vs incomePerCapita
 Median income by country World population review Median incomePercapita & income Perhousehold <u>https://worldpopulationreview.com/countries</u> /median-income-by-country/ 	Depression rate(%) vs incomePerCapita

Expenditures on health by country

- World population review
- Government expenditures on mental health as a percentage of total government expenditures on health (%)
- <u>https://www.who.int/data/gho/data/indicators</u> /indicator-details/GHO/government-expendit ures-on-mental-health-as-a-percentage-of-t otal-government-expenditures-on-health-(-)

Suicide rate (deaths per 100,000) vs expenditure on mental health as a percentage of total government expenditure on health



Societal Impact

Datasets used	Visualizations
Mental HealthAn elaborate dataset on mental health prevalence, including different disorders, burden in DALYs (Disability-Adjusted Life Years) and suicide rates. This dataset is also used in subtopics Government and Occurrences.For this subtopic the prevalence of mental health and substance abuse per country per year were used.Institute of Health Metrics and Evaluation (IHME) Reported in Global Burden of Disease (GBD - Collected from documentation of diagnoses - Time span of 1990-2016 - Globally per country and region	<figure><figure><text></text></figure></figure>
Presented by Hannah Ritchie and Max Roser Retrieved from Our World in Data First published: April 2018 <u>https://ourworldindata.org/mental-health</u>	
Population by religion, sex and urban/rural residence Different records from a variety of years (1995-2018) have been combined to give a global overview of religion, sex and global/rural residence. The data on religions per country has been used and filtered on the five religions.	Metal health and substance alone servinger religions C S S T C S S T C S S T S S S S S S S S S S
Demographics Statistics Database From United Nations Statistics Division Published in the <i>Demographic Yearbook</i> Found on UNdata: A world of Information <u>https://data.un.org/Data.aspx?d=POP&f=tableCode%3A28</u> Last updated: 2020/02/12	and proceeding of the second according of the SPE ASIA of A cancel be ben card on a large on the SPE asia and a second according of the second according of the SPE asia and a second according of the SPE asia according of the SPE asia and a second according of the SPE asia and a second according of the SPE asia according of the SPE asia according of the SPE asia according of the SPE asia according of the SPE asia according of th
Comparative Political Data Set Dataset with annual political and institutional data for 36 countries over the time span of 1960 to 2017. Only complete data on ideology of government posts (left, right, middle) from 2017 has been used.	Government ideology and mental health
Armingeon, Klaus, Virginia Wenger, Fiona Wiedemeier, Christian Isler, Laura Knöpfel, David Weisstanner and Sarah Engler Comparative Political Data Set 1960-2017.	The second secon

Zurich: Institute of Political Science, University of Zurich. Last updated in 2019 Retrieved from <u>https://www.cpds-data.org/index.php/data</u>	
Mental Illness: NAMI Report Deplores 80 Percent Unemployment Rate; State Rates and Ranks Listed - Model Legislation Proposed Report including the findings regarding unemployment rates for public mental health service users. This includes rates on how many wish to work (60%) and receive supported employment opportunities provided by states (2%). Some basic information on models for improval as proposed by NAMI is included. The unemployment rate of adults with mental illness per state is collected using the SAMHSA Uniform Reporting System 2012.	
National Alliance on Mental Illness (NAMI) Road to Recovery: Employment and Mental Illness Data retrieved from: <u>https://www.nami.org/Press-Media/Press-Releases/2014/Mental-Illnes</u> <u>s-NAMI-Report-Deplores-80-Percent-Un</u> Published: Jan 1 2014	