What Do You Mean

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Interpretations to our overall mental health perceptions

Mental Health data

From 'Our World in Data' estimated by the Institute for Health Metrics and Evaluation.
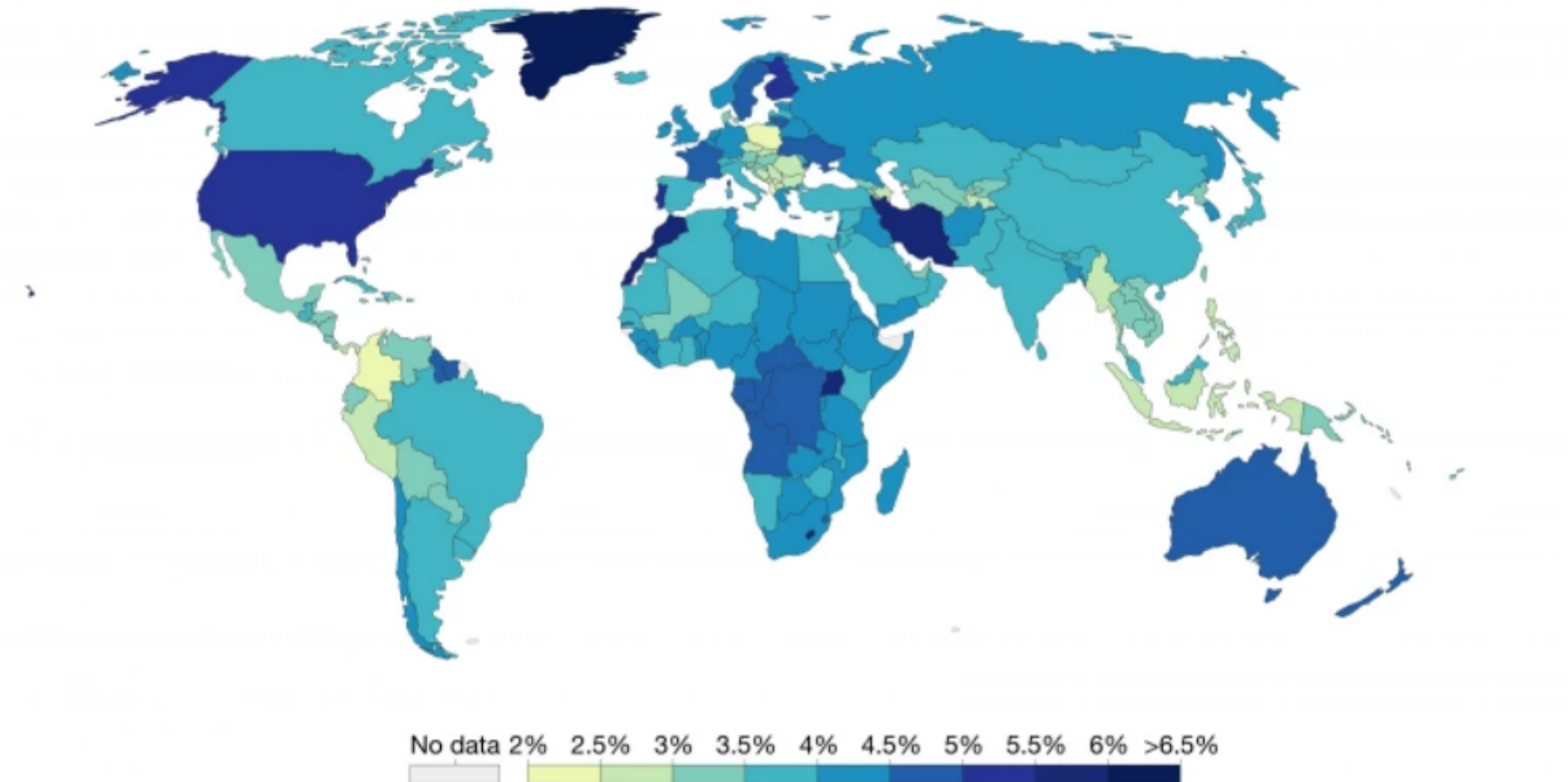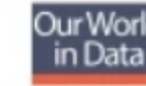
Focused on Depression and Anxiety.

Produced a measurement for mental health.
Disability Adjusted Life Years (**DALYs**) which measures the health burden of mental health issues (such as Depression and Anxiety) per 100,000 individuals.

One DALY equals one lost year of healthy life.

Data only showing up to 2017 - which is a bit old!

Mean Team

Share of the population with depression, 2016
Prevalence of depressive disorders in a given population. This is measured as the age-standardized prevalence, which assumes a constant age structure to compare between countries and through time. Figures attempt to provide a true estimate (going beyond reported diagnosis) of depression prevalence based on medical, epidemiological data, surveys and meta-regression modelling.

No data 2% 2.5% 3% 3.5% 4% 4.5% 5% 5.5% 6% >6.5%

Source: IHME, Global Burden of Disease

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Mental Health

We provide a global overview of the prevalence of depression, anxiety disorders, bipolar disorder, eating disorders, and schizophrenia.

Our World in Data

https://ourworldindata.org/mental-health#depression

Process

Extraction	**Transformation**	**Loading**
Sourcing	Pandas	Flask
Extraction	Matplotlib	PostgreSQL
Cleanup	Machine Learning	Render Template
	(Python Scikit-Learn)	HTML, CSS
		JavaScript, D3

Deploy

Machine Learning

Supervised Learning

Data only showing up to 2017.
Performed machine learning (supervised learning regression) to forecast observations up to 2021.

For Loop

Data has 200+ countries and five age groups for anxiety and depression.

This was a struggle!

Model accuracy

The model is not very accurate, but the results seem to follow historical trend.
Model accuracy was not important to us.
The sample size used to run the ML may be a factor.

There was a lot of sighing and anxiety....

x̄ **Mean Team**

What Do You Think?

We welcome any questions you may have.