The Global Digital Divide

An analysis of internet usage across the world

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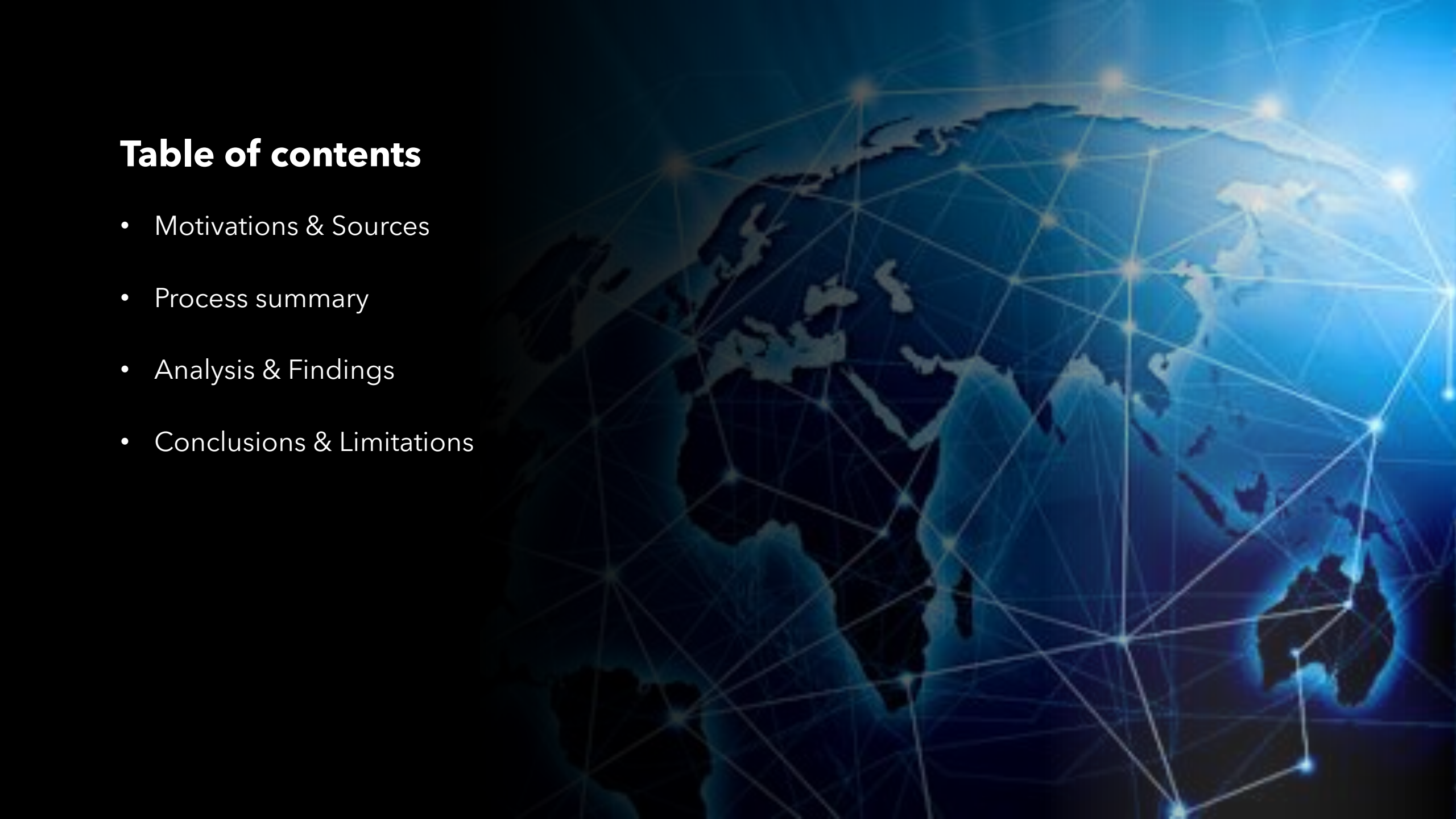

Motivations & Sources

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Motivation

- The objective of this project is to analyse global disparities in regards to access to the internet and the opportunities derived from such access.

- Our motivation is summarized by the words of the inventor of the World Wide Web, Sir Tim Berners-Lee:

> "It's time to recognise the Internet as a basic human right. That means guaranteeing affordable access for all, ensuring Internet packets are delivered without commercial or political discrimination, and protecting the privacy and freedom of Web users regardless of where they live."
>
> Sir Tim Berners-Lee

Motivations & Sources

Universal Access

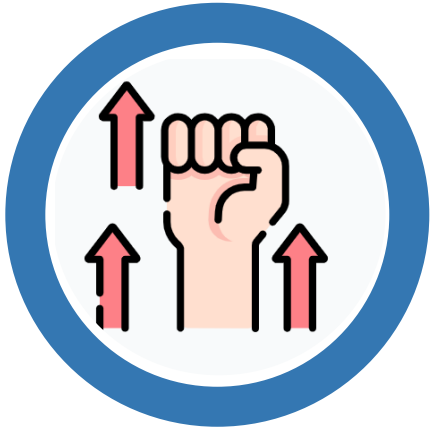
This criteria measures the level of communications infrastructure available in each country as well as the level of affordability and education and awareness of such facilities.

Freedom & Openness

This criteria measures the level of restrictions to internet accessibility as well as freedom of speech and privacy laws in the online world.

Relevant Content

This criteria measures the level of information and government online facilities made for the people by the people in their own language to improve lives and living standards.



Empowerment

This criteria measures the economic, political, social and environmental impact of internet use in each country particularly in improving healthcare, education and economic opportunities

Motivations & Sources

Sources of Information

- Internet World Stats
  (https://www.internetworldstats.com/stats1.html)
  This website provides information on internet users by country and region across the globe.

- Compare the market
  (https://www.comparethemarket.com/broadband/content/global-broadband-index)
  This website provides information on cost and speed of internet by countries.

- Web index
  (https://thewebindex.org)
  The Web Index is a multi-dimensional measure of the World Wide Web's contribution to development and human rights globally. It covers 86 countries as of 2014, the latest year for which the index has been compiled. It incorporates indicators that assess the areas of universal access, freedom and openness, relevant content, and empowerment, which indicate economic, social, and political impacts of the Web.

- World bank API
  (https://datahelpdesk.worldbank.org/knowledgebase/topics/125589-developer-information)
  This website provides information on latitude and longitude by country to support visualizations .

Process Summary

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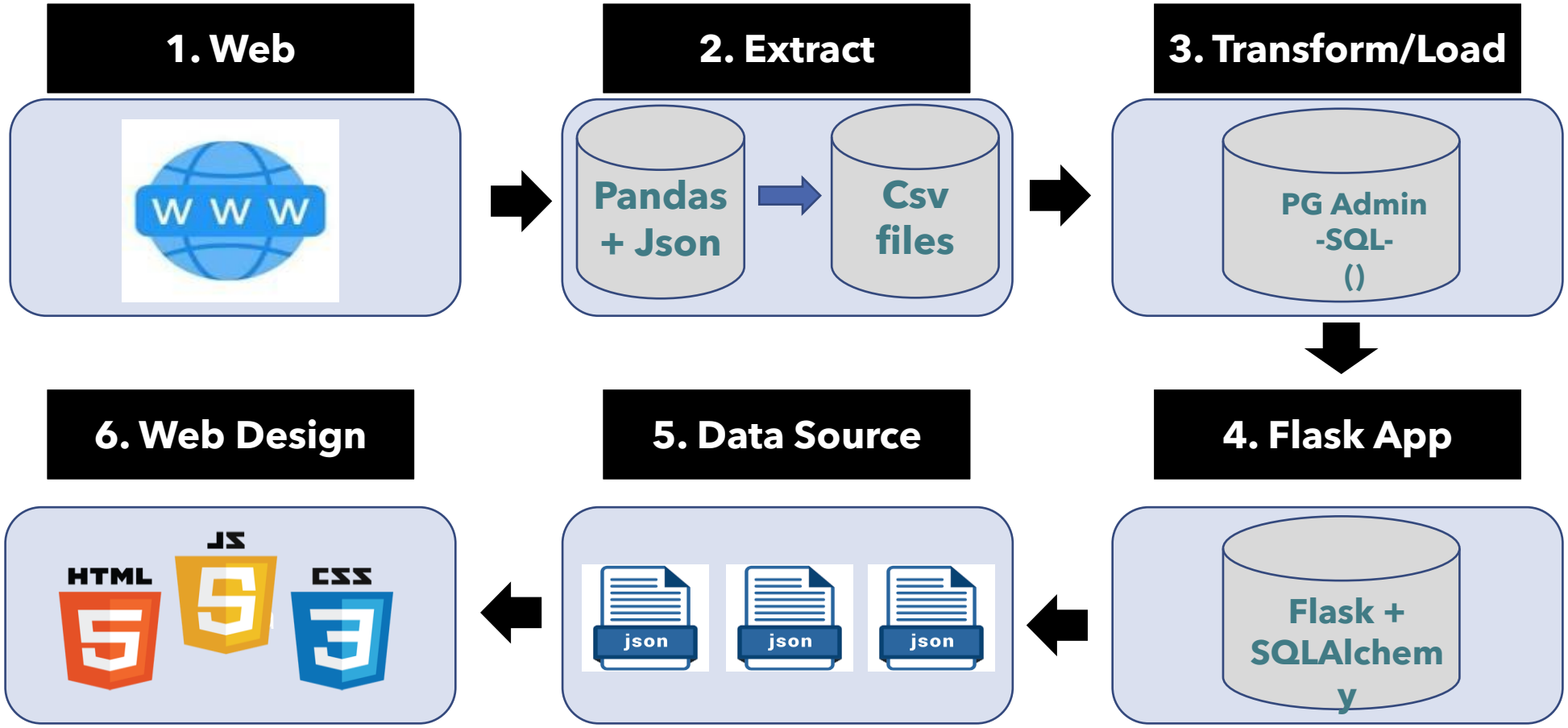

Analysis & findings

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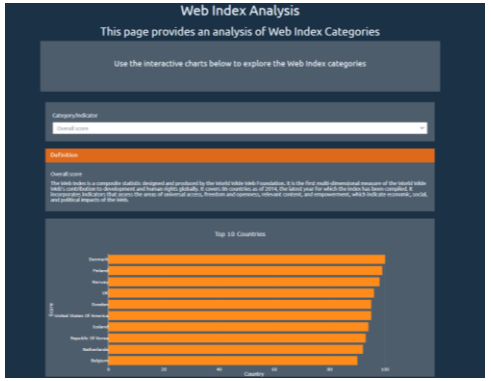
The following dashboards provide a visual analysis on a global, regional and country by country level as well as by Web Index Category.



Conclusions & further research

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Thank you!
Q&A