

Case Study

Dedicated Healthcare Dashboard Portal

To Monitor Patient Impact and Data Tracking for a US-based firm

PROJECT OVERVIEW

The unfortunate COVID-19 pandemic led to the need for the development of a data dashboard that depicts control charts, improvement methods, reported deaths by tracking trends in the clinician activity, and patient health across the nation and globally.



KEY FEATURES

The intuitive dashboard offers real-time information and data visualization about corona pandemic with the latest healthcare data trackers capturing the propagation of COVID-19.

Real-time visualization of the spread

The single point dashboard presents various elements like the summary of overall spread, cases by region, with real-time information on recovery, deaths, tests done, new cases and more

Location comparison of spread – Region/Country wise

Apple-to-apple comparison between locations, in terms of how well those places are doing with testing and cases concerning the overall population

Visual projection of pandemic control

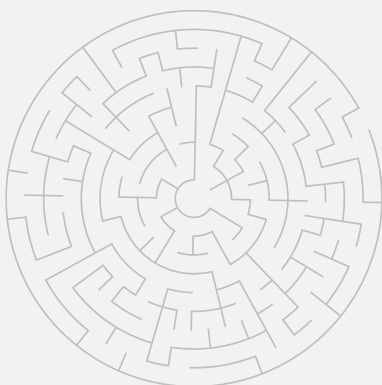
Graphical projection of corona outbreak based on the location's historical testing and growth rates, and also known attributes of SARS-CoV-2

Answers from experts

Personalized response on COVID-19 related queries in a byte-sized, easy-to-consume format with notification when experts answer them

CHALLENGES

- No experience or intelligence on historical data as the virus and spread is new to the world
- Unsure of what parameter and insight is valuable to showcase
- Lack of understanding on how get traffic on the dashboard
- Using the traffic trend to determine what further can be enhanced in terms of features



SOLUTION

With a structured approach, yet under a strict deadline considering the global situation, the solution was made live. It was with consideration of project elements like – KPIs development, information source validation & data generation, integration with multiple data sources, and more.

Statistical model to predict pandemic end

Estimation and representation of patient impact with region wise breakup of new cases vs. the projected ones predicting possible end of the spread

Clinical trial data

Real-time data representation of clinical trials conducted for a variety of medication provisions across categories

Social integrations

With the right third-party integrations, the dashboard offers the capability to connect with healthcare experts for answers and share statistics on the pandemic spread through social media

Fact-checker

The dashboard helps bust myths by providing users with a graphical display of information and validated content from subject matter experts

TECHNOLOGIES & TOOLS



Outcomes

~98%

accurate data
comparison of the
growth & mortality rate

Accurate

information from credible
sources avoiding
miscommunication

Multiple

custom views and
granular insights filter
by location

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