

canvas

Detecting Covid-19 using Chest X-Rays with Deep Learning Techniques

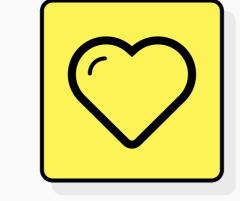
Originally created by Dave Gray at



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Detecting Covid-19 using Chest X-Rays with Deep Learning Techniques

Detecting COVID-19 from chest X-rays can be expedited by leveraging deep learning techniques, which reduces the burden on healthcare professionals. Automated analysis with radiology reports accelerates the diagnosis process and provides quicker results. The primary objective of this tool is to assist healthcare professionals during the pandemic and also to improve the overall health sector of the nation



What do they HEAR?

Feedback on

performance of

the tool like time

taken for analysis

and accuracy

What are they hearing others say?

What are they hearing from friends?

What are they hearing second-hand?

What are they hearing from colleagues?

WHO are we empathizing with?

Who is the person we want to understand? What is the situation they are in?

> Health Care professionals who are involved in identifying Covid patients

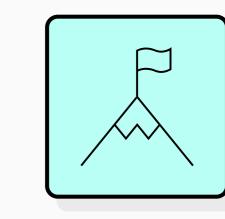
Neighbors and the affected an early stage

Patients. If diagnosed earlier then timely medical care could help them recover soon

Immediately inform the patient about their test result

What do they need to DO?

What do they need to do differently? What job(s) do they want or need to get done? What decision(s) do they need to make?



If a patient diagnosed with Covid isolate him and start the medical care

Authorities should escalate the sanitization process in the patient's society

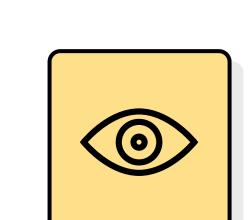
Chest X-ray images of patients with potential COVID-19 symptoms,

Health experts sees the Al generated output

for the particular

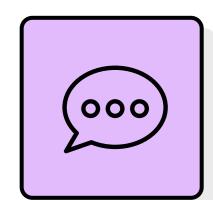
Chest X-Ray

The proposed tool's performance and reliability



What do they SEE?

What do they see in the marketplace? What do they see in their immediate environment? What do they see others saying and doing? What are they watching and reading?



What do they SAY?

What have we heard them say? What can we magine them saying?

Health professionals comment on the proposed model's performance and user interface

> Any potential wrong prediction by the tool which led to patient's

What is their role in the situation?

Complaints from

the consumers If

any potential

mistake by the

Suggestions from

experts and

consumer for

improvement of

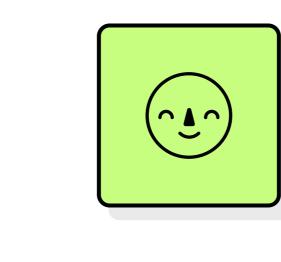
the tool

family members of

from the patient in

PAINS What are their fears,

frustrations, and anxieties?



GOAL

What do they THINK and FEEL?

GAINS

What are their wants, needs, hopes, and dreams?

Improved

and faster

of Covid

The less accurate

proficient may

find difficult to

use the tool

Privacy and security of the

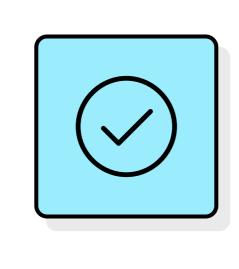
can validate their own diagnosis

More accurate replace health professionals involved in diagnosis

What other thoughts and feelings might influence their behavior?

Users' trust in the tool's accuracy and reliability will significantly influence their behavior. High trust may lead to greater adoption and confidence in the tool's recommendations.

Healthcare professionals may feel anxious about relying on AI for diagnosis, especially when patient outcomes are at stake. Their level of comfort with the technology can impact their willingness to use it.



What do they DO?

What do they do today? What behavior have we observed? What can we imagine them doing?

Maintain and improve the user interface

Fix the issues reported by consumers

Advertise about the tool and available across the country



Need some inspiration? See a finished version of this template to kickstart your work.





