

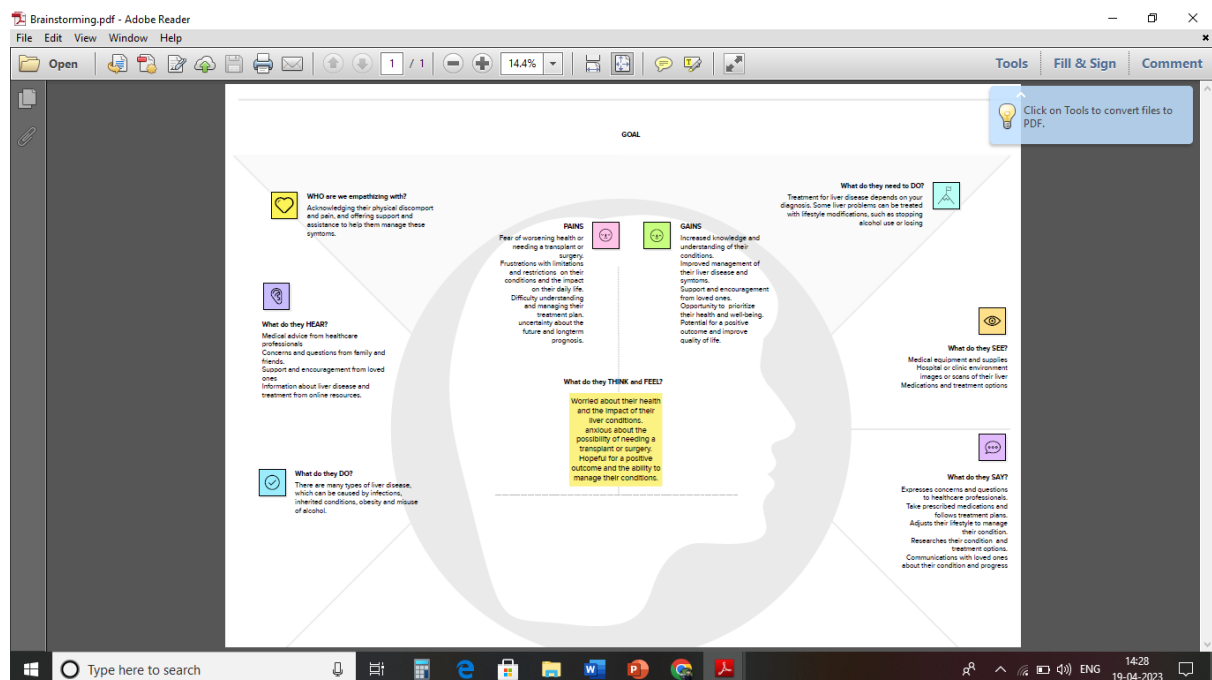
PROJECT REPORT TEMPLATE

INTRODUCTION

A group of blood tests called liver function tests can be used to diagnose liver disease. Other blood tests can be done to look for specific liver problems or genetic conditions. Imaging tests. An ultrasound, CT scan and MRI can show liver damage.

PROBLEM DEFINITION & DESIGN THINKING

EMPATHY MAP



BRAINSTORMING MAP

Empathy Map.pdf - Adobe Reader

File Edit View Window Help

Open 1 / 1 11.9%

Tools Fill & Sign Comment

Sign In

Export PDF

Adobe ExportPDF

Convert PDF files to Word or Excel online.

Select PDF File:

Empathy Map.pdf 1 file / 21 KB

Convert To:

Microsoft Word (*.docx)

Recognize Text in English(U.S.)

Change

Convert

Create PDF

Edit PDF

Send Files

Store Files

Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

Tip: You can select a sticky note and hit the pencil button to edit it or the eraser button to delete it.

Group Ideas

Take turns sharing your ideas while clustering similar or related notes as you sticky notes have been grouped, give each cluster a sentence-like label. If a bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

20 minutes

Avatar

Facilitator guidance: User: Ask the user to follow a specific task to keep their focus. As a facilitator, you can provide them with explicit guidance and recommend the type of ideas they should use or avoid.

Anticipate

Facilitator recommendations: Prepare sticky notes in advance. As your guidance to maintain their interest. You can provide them with recommendations for sticky notes that can improve their flow function and reduce the risk of complications.

Attack

Facilitator recommendations: User: Ask the user to maintain their interest in solving the problem. You can provide them with explicit guidance and recommend the type of ideas they should use or avoid.

Amplify

Facilitator recommendations: User: Ask the user to maintain their interest in solving the problem. You can provide them with explicit guidance and recommend the type of ideas they should use or avoid.

RESULT

Liver_Screenshot.png

50%

Liver Disease Prediction

Age

in Year

Gender

Male = 1, Female=0

Total Bilirubin

Total Bilirubin

Alkaline Phosphatase

Alkaline Phosphatase

Alamine Aminotransferase

Alamine Aminotransferase

Aspartate Aminotransferase

Aspartate Aminotransferase

Total Proteins

Total Proteins

Albumin

Albumin

Albumin and Globulin Ratio

Albumin and Globulin Ratio

Submit

©2021 Sagar Dhandare

ADVANTAGES AND DISADVANTAGES

A liver biopsy is a test used to diagnose liver conditions. Tissue samples are removed from your liver and checked under a microscope for signs of damage or disease. A liver biopsy can tell if there are cancer cells or other abnormal cells in your liver. It can also tell how well your liver is working.

DISADVANTAGES

- Pain. Pain at the biopsy site is the most common complication after a liver biopsy. ...
- Bleeding. Bleeding can occur after a liver biopsy but is not a common complication. ...
- Infection. Rarely, bacteria may enter the abdominal cavity or bloodstream.
- Accidental injury to a nearby organ.

APPLICATIONS

A group of blood tests called liver function tests can be used to diagnose liver disease. Other blood tests can be done to look for specific liver problems or genetic conditions. Imaging tests. An ultrasound, CT scan and MRI can show liver damage.

CONCLUSION

Summary. The main roles of the liver include removing toxins, processing food nutrients and regulating body metabolism. Important causes of liver disorders are fatty liver, hepatitis virus infections and alcohol. Cirrhosis (liver scarring), the end-result of many liver disorders, can lead to liver failure.

FUTURE SCOPE



The liver has a unique capacity among organs to regenerate itself after damage. A liver can regrow to a normal size even after up to 90% of it has been removed. But the liver isn't invincible. Many diseases and exposures can harm it beyond the point of repair.

APPENDIX

The image displays two sequential screenshots of a Kaggle notebook titled "Liver Patients Analysis, prediction & accuracy".

Top Screenshot:

- The notebook is in the "Code" tab, showing the first code cell (In [1]).
- The code imports necessary libraries: `pandas`, `numpy`, `matplotlib.pyplot`, `seaborn`, and `sklearn.preprocessing`.
- The "Table of Contents" on the right lists: Analysis and Prediction-Indian..., Data Analysis, Data Visualization, Observation:, and Machine Learning.

Bottom Screenshot:

- The notebook shows the second code cell (In [2]) which reads the data using `pd.read_csv('../input/indian_liver_patient.csv')`.
- Below the code, a text description states: "This data set contains 416 liver patient records and 167 non liver patient records collected from North East of Andhra Pradesh, India. The 'Dataset' column is a class label used to divide groups into liver patient (liver disease) or not (no disease)."
- The third code cell (In [3]) executes `liver_df.head()`.
- The output (Out [3]) displays the first two rows of the dataset:

	Age	Gender	Total_Bilirubin	Direct_Bilirubin	Alkaline_Phosphatase	Alamine_Aminotransferase
0	65	Female	0.7	0.1	187	16
1	62	Male	10.9	5.5	699	64

Untitled mural • Naan mudhalver x Introducing ChatGPT x ChatGPT | OpenAI x k Liver Patients Analysis, prediction x +

kaggle.com/code/sanjames/liver-patients-analysis-prediction-accuracy

Gmail YouTube Maps

kaggle

+ Create

Home

Competitions

Datasets

Models

<> Code

Discussions

Learn

More

Search

Sign In Register

Liver Patients Analysis, prediction & accuracy

Notebook Input Output Logs Comments (11)

87 Copy & Edit 436

into liver patient (liver disease) or not (no disease).

In [3]:

```
liver_df.head()
```

Out[3]:

	Age	Gender	Total_Bilirubin	Direct_Bilirubin	Alkaline_Phosphotase	Alamine_Aminotransferase
0	65	Female	0.7	0.1	187	16
1	62	Male	10.9	5.5	699	64
2	62	Male	7.3	4.1	490	60
3	58	Male	1.0	0.4	182	14
4	72	Male	3.9	2.0	195	27

In [4]:

Table of Contents

- Analysis and Prediction-Indian...
- Data Analysis
- Data Visualization
- Observation:
- Machine Learning

We use cookies on Kaggle to deliver our services, analyze web traffic, and improve your experience on the site. By using Kaggle, you agree to our use of cookies. Got it Learn more

Type here to search

14:45 19-04-2023

PROJECT SUCCESSFULLY COMPLETED

TEAM LEADER: M.KAVIYA

TEAM MEMBER: M.ISWARYA

TEAM MEMBER: R.IYAPPAN

TEAM MEMBER: S.KARTHIKA