TRIAGE PROJECT

Prioritization of patient care

Hello,

My proposal is for triage project classification data preprocessing, this proposal clearly outlines the process and idea of implementing the proposed service and target of our business, our income based on collected datasets from different organizations so it may not be completely can be applied in real-world.

Be **Decision-Driven** Not **Data-Driven**.

PROJECT SUMMARY

Triage refers to the sorting of injured or sick people according to their need for emergency medical attention. It is a method of determining priority for who gets care first.

BACKGROUND

Triage is the prioritization of patient care (or victims during a disaster) based on illness/injury, symptoms, severity, prognosis, and resource availability. The purpose of triage is to identify patients needing immediate resuscitation; to assign patients to a predesignated patient care area, thereby prioritizing their care; and to initiate diagnostic/therapeutic measures as appropriate.

- **Red:** Needs immediate attention for a critical life-threatening injury or illness; transport first for medical help.
- **Yellow:** Serious injuries needing immediate attention. In some systems, yellow tags are transported first because they have a better chance of recovery than red-tagged patients.
- **Green:** Less serious or minor injuries, non-life-threatening, delayed transport; will eventually need help but can wait for others.
- **Black:** Deceased or mortally wounded; black may not mean the person has already died. It may mean that he or she is beyond help and, therefore, is a lower priority than those who can be helped.
- **White:** No injury or illness (not used in all systems)

BUSINESS CHALLENGE

Based on patient symptoms, identify patients needing immediate resuscitation; to assign patients to a predesignated patient care area, thereby prioritizing their care; and to initiate diagnostic/therapeutic measures as appropriate.

RESOURCES

We have used three individual datasets for three urgent illness/injury, each dataset has its own features and symptoms for each patient and we merged them to know what are most severe symptoms for each illness and give them priority of treatment.

Diabetes: no matter what type of diabetes you have, it can lead to excess sugar in the blood. Too much sugar in the blood can lead to serious health problems.

Heart Attack: occurs when the flow of blood to the heart is severely reduced or blocked. The blockage is usually due to a buildup of fat, cholesterol and other substances in the heart (coronary) arteries

Stroke: occurs when the blood supply to part of the brain is interrupted or reduced, preventing brain tissue from getting oxygen and nutrients. Brain cells begin to die in minutes

REFERENCES

- Kaggle
- Very well health
- Science Direct
- Mayo clinic
- National Library of health