The background of the slide is a collage of various medical and technological items in grayscale. At the top, there are several circular objects resembling medical lenses or camera lenses. To the right, a small analog clock is visible. Below the clock, there's a stack of black rectangular objects, possibly medical equipment or data storage. In the center, a large white rectangular box contains the main title text. To the left of the box, there's a coiled black tube and a cylindrical object with horizontal ridges. Below the box, there's a syringe and a small bottle. At the bottom, there are more circular and rectangular objects, some with holes or patterns. The overall theme is a combination of medicine and data technology.

10 YEARS DIABETES DATASET

PROJECT BY:
DEIMANTE PIRAITYTE

1999-2008 Data Owned: Jims Chacko

PROJECT OVERVIEW



ORIGINAL DATASET

- 51 COLUMNS
- 101,766 ENTRIES
- 1999 – 2008



TOPIC

The dataset represents 10 years (1999–2008) of clinical care at 130 US hospitals and integrated delivery networks. It includes over 50 features representing patient and hospital outcomes.



HYPOTHESIS

"Patients with Diabetes are re-admitted to the hospital more often if first admission is in older age."

DATA CLEANING

01

REMOVE

Removing irrelevant observations (such as medication and increace in insulin level after admition)

02

NAN

Reviewing duplicated, missing or 0 values and its impact to dataset.

03

RENAME

According to research some values from numerical had to be transformed to more suitable descriptive ones.

04

REVIEW

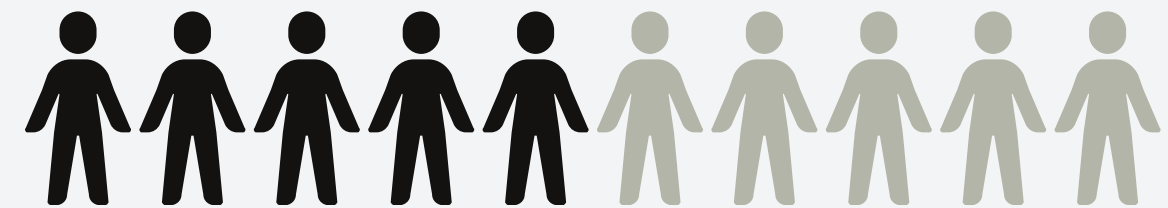
Checking unique values, and its relevance to hypothesis and data, fitting accordingly.

BUSINESS TIME

According to the data from the year 2020, more than 7.8 million hospital discharges were recorded in the USA among adults aged 18 years or older, where diabetes was listed as a diagnosis. This equates to 30% adults with diabetes.

Therefore my idea is to implement an app that would allow patients to have their visit using video chats and phone calls instead of going to the hospital, frequent visit is to check for results or to meet for a yearly visit could be at least first initiated by app.

46%



**46% of people with Diabetes
were admitted to the hospital
again in 10 years times**

STRATEGIES



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STRATEGY N°1



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STRATEGY N°2



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STRATEGY N°3