


Data Source

The UCI datasets have one data set of Diabetes 130-US Hospitals for years 1999-2008. The Data Set contains 100000 instances of data, with 55 attributes. The dataset represents clinical data gathered from 130 US hospitals between 1999-2008.



Machine Learning Repository
Center for Machine Learning and Intelligent Systems

Diabetes 130-US hospitals for years 1999-2008 Data Set

Download: [Data Folder](#), [Data Set Description](#)

Abstract: This data has been prepared to analyze factors related to readmission as well as other outcomes pertaining to patients with diabetes.

Data Set Characteristics:	Multivariate	Number of Instances:	100000	Area:	Life
Attribute Characteristics:	Integer	Number of Attributes:	55	Date Donated	2014-05-03
Associated Tasks:	Classification, Clustering	Missing Values?	Yes	Number of Web Hits:	324103

URL:

<http://archive.ics.uci.edu/ml/datasets/diabetes+130-us+hospitals+for+years+1999-2008>

Problem:

Using the dataset, create an interactive site with a dashboard. Analyze patient population, past history and medication and predict the likelihood of the patient's readmission to the hospital again soon.

Plan to solve the problem:

- Create an Dash app to create interactive visualizations of our dataset
- Ability to choose patient demographics (age, sex, etc.) in the app
- Medication history and how medications impact a patient being readmitted to the hospital
- Pull same type of patient's medical history