|  |  |
| --- | --- |
| **Diabetes Data Set**  *Download*: [Data Folder](https://archive.ics.uci.edu/ml/machine-learning-databases/diabetes/), [Data Set Description](https://archive.ics.uci.edu/ml/machine-learning-databases/diabetes/README)  **Abstract**: This diabetes dataset is from AIM '94 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Data Set Characteristics:** | Multivariate, Time-Series | **Number of Instances:** | N/A | **Area:** | Life |
| **Attribute Characteristics:** | Categorical, Integer | **Number of Attributes:** | 20 | **Date Donated** | N/A |
| **Associated Tasks:** | N/A | **Missing Values?** | N/A | **Number of Web Hits:** | 263347 |

**Source:**

Michael Kahn, MD, PhD, Washington University, St. Louis, MO

**Data Set Information:**

Diabetes patient records were obtained from two sources: an automatic electronic recording device and paper records. The automatic device had an internal clock to timestamp events, whereas the paper records only provided "logical time" slots (breakfast, lunch, dinner, bedtime). For paper records, fixed times were assigned to breakfast (08:00), lunch (12:00), dinner (18:00), and bedtime (22:00). Thus paper records have fictitious uniform recording times whereas electronic records have more realistic time stamps.   
  
Diabetes files consist of four fields per record. Each field is separated by a tab and each record is separated by a newline.   
  
File Names and format:   
(1) Date in MM-DD-YYYY format   
(2) Time in XX:YY format   
(3) Code   
(4) Value   
  
The Code field is deciphered as follows:   
  
33 = Regular insulin dose   
34 = NPH insulin dose   
35 = UltraLente insulin dose   
48 = Unspecified blood glucose measurement   
57 = Unspecified blood glucose measurement   
58 = Pre-breakfast blood glucose measurement   
59 = Post-breakfast blood glucose measurement   
60 = Pre-lunch blood glucose measurement   
61 = Post-lunch blood glucose measurement   
62 = Pre-supper blood glucose measurement   
63 = Post-supper blood glucose measurement   
64 = Pre-snack blood glucose measurement   
65 = Hypoglycemic symptoms   
66 = Typical meal ingestion   
67 = More-than-usual meal ingestion   
68 = Less-than-usual meal ingestion   
69 = Typical exercise activity   
70 = More-than-usual exercise activity   
71 = Less-than-usual exercise activity   
72 = Unspecified special event

**Attribute Information:**

Diabetes files consist of four fields per record. Each field is separated by a tab and each record is separated by a newline.   
  
File Names and format:   
(1) Date in MM-DD-YYYY format   
(2) Time in XX:YY format   
(3) Code   
(4) Value