CGMVIZ

User Guide

PURPOSE OF THIS DOCUMENT

This document is a generic User Guide document for use of the application called CGM viz. This User Guide is a brief document designed to provide guidance and usage material which is intended to assist medical practitioners or doctors, in producing a visualization and analysing report of the patients by monitored data of the change in glucose levels.

CONVENTIONS

Hypoglycaemic (mmol/L)

Abnormal Rates (mmol/L/hr)

Time (hour)

DURATION

Average time of the fresh computation is approximately 1 minute. But this may vary with the configuration of the local machine.

PRE-REQUISITE PACKAGES

Packages and libraries play an important part in proper execution of the code. As the full application on R language. Latest version of R along with recent updated version of libraries and package must be installed in the local machine. Additional file of packages are attached with the main file.

CHANCES OF ERROR

When devices are changes or switched , it is recommended to restart the application.

INPUT

Upload File Containing CGM Data

Continuous glucose monitoring data of the patient to be uploaded.

Device Types

Glucose monitoring type device.

Hypoglycaemic (mmol/L)

Hypoglycaemia is when blood glucose levels fall below 4 mmol/L (72mg/dL).

Abnormal Rates (mmol/L/hr)

Rates for the abnormal behaviour of the glucose.

Number of hours since last hypoglycaemic

Number of hours after hypoglycaemic.

Minimum Top BG during episode

Value of the top BG during the whole.

Minimum Segment Length (hr)

Length of the segment of the episode.

SUBMIT

Submit the data.

Upload File Containing CGM Data

| Browse... | No file selected |

Device Types

ipro2

Hypoglycaemic (mmol/L)<=

4

Abnormal Rates (mmol/L/hr) >=

1

Number of hours since last hypoglycaemic

2

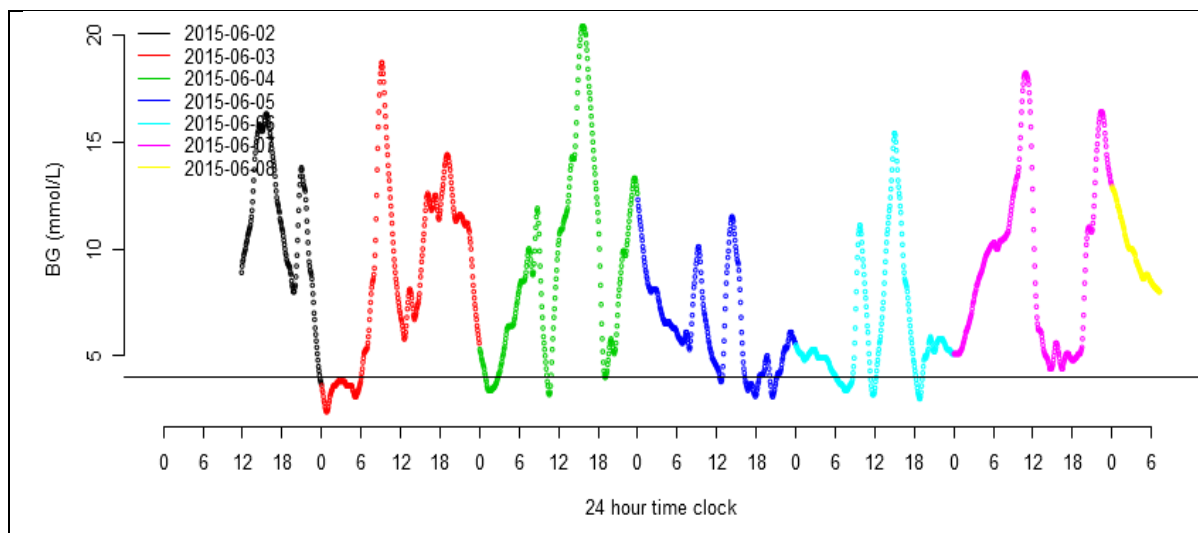**Minimum Top BG during episode**

10

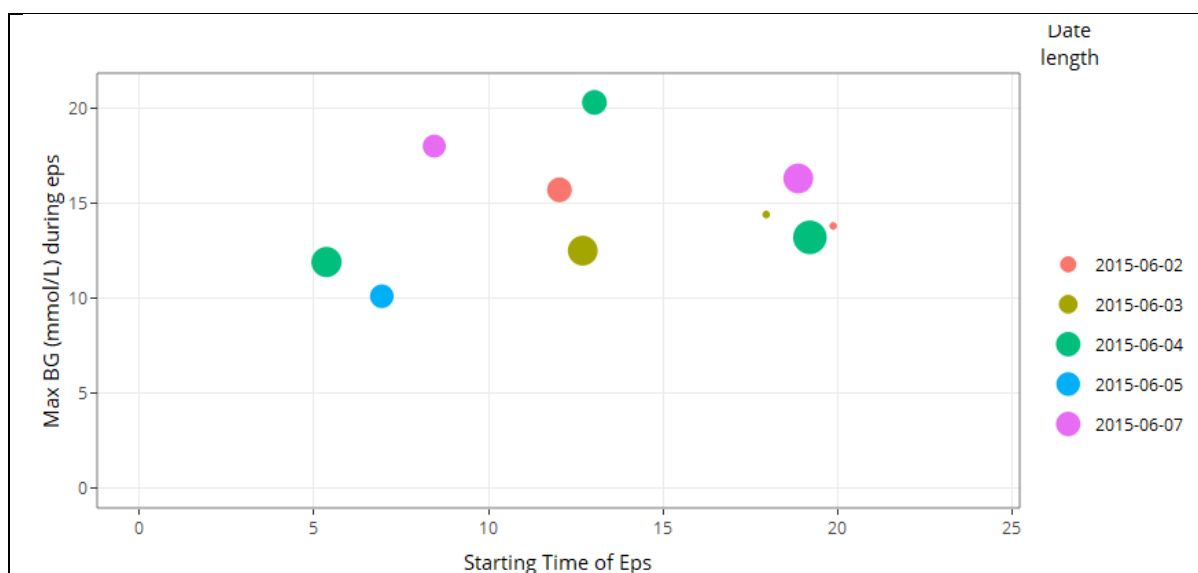**Minimum Segment Length (hr)**

1

Submit

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OUTPUT

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Show 25 ▾ entries

date	start(24hour_clock)	length(min)
2015-06-02	12:02	145
2015-06-02	19:52	65
2015-06-03	12:42	200
2015-06-03	17:57	65
2015-06-04	5:22	205
2015-06-04	13:02	145
2015-06-04	19:12	250
2015-06-05	6:57	135
2015-06-07	8:27	130
2015-06-07	18:52	200
date	start(24hour_clock)	length(min)

Showing 1 to 10 of 10 entries

CGMVIZ

Various colour codes show various days of the monitored glucose.

Size of the bubble is directly proportional to the length of the episode. Various days are depicted by the various colour codes.