



NEW

## Machine learning for blood glucose prediction

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### Project description:

Diabetes was recently declared as a worldwide epidemic by the National Health Organization, with hundreds of millions of patients worldwide, and many more in a pre-diabetic state.

Diabetes patients need to monitor their blood glucose levels constantly, and are prone to high (hypercalcemia) and low (hypoglycemia) spikes for blood glucose fluctuations.

One of the promising ways to measure glucose levels is with the Libre system, which attaches to the back of the patients hand.

In this project we will develop a recurrent network to predict blood glucose levels, based on the collected data from the Freestyle Libre.



**Required background:** Signal and systems, Mavlas, Mavla.

**Environment:** Python, Tensorflow

For further details, please contact Oren: orensol@tx