

9 February, 2025

Consider what we're trying to accomplish for people managing diabetes, especially Type 1 diabetes. – *an executive perspective*

People who are healthy and have not outgrown their pancreas exhibit normal glucose levels.

Pre-Diabetes shifts the histogram for Normal Glucose Levels to the right.

The distribution of Normal Glucose Levels is the ideal objective for all people.

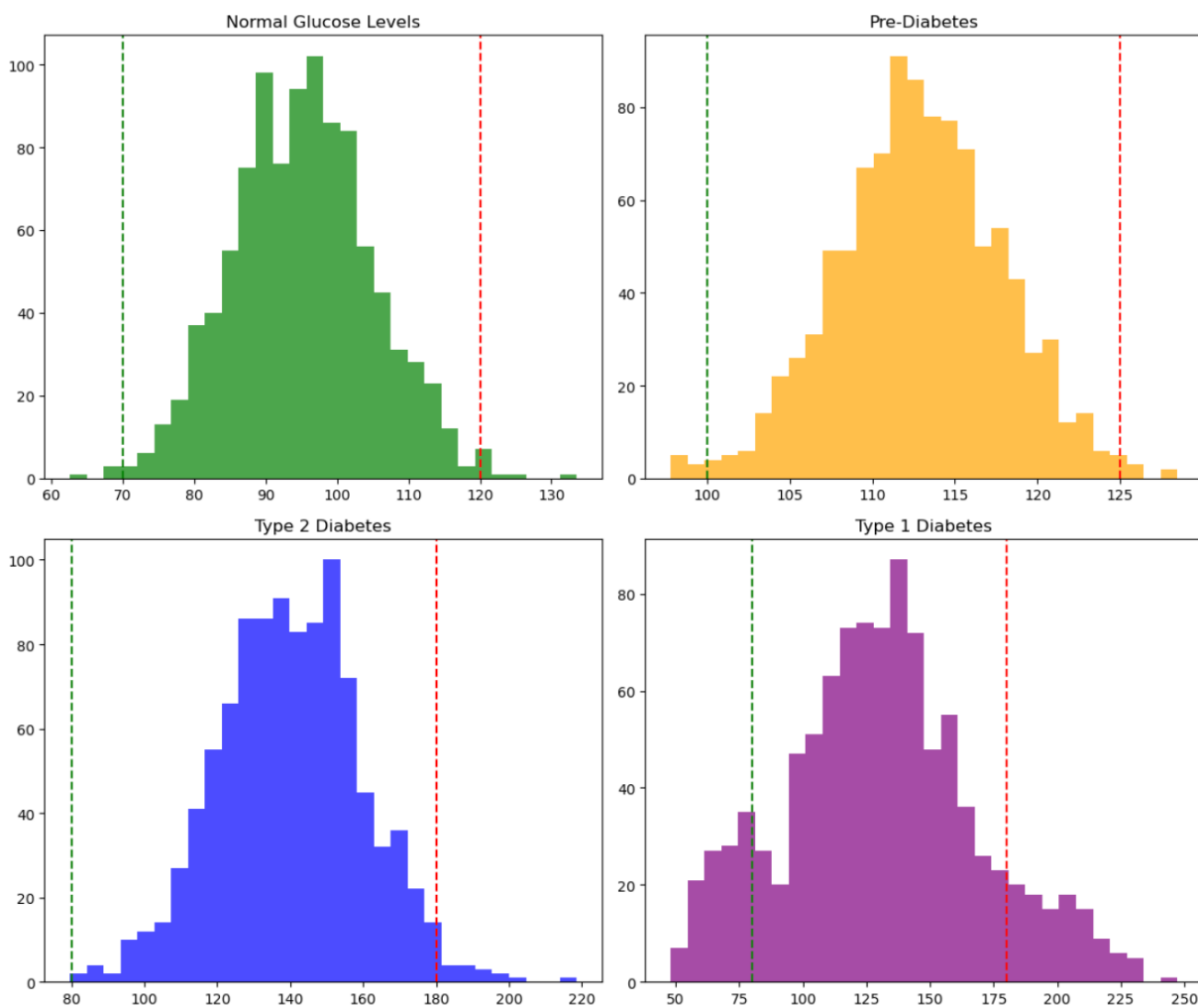


Figure 1 Data source is DeepSeek R1 (the sources scraped by DeepSeek R1 are not known)¹

The Threshold lines, green and red, are defined by authorities.

The “range” set by authorities for Type 2 Diabetes is the same for Type 1 Diabetes.

¹ For all plots, the process was: prompt DeepSeek R1, execute the source in Python.

The spread of glucose values for people managing Type 1 diabetes goes substantially beyond the “official” range.

For people managing Type 1 Diabetes, the data to the left of the green line represents risk and potential injury or death. Suppose we can alter the Type 1 Diabetes plot to resemble the Type 2 Diabetes distribution. In that case, we have been helpful with a goal — the objective is to improve beyond the Type 2 histogram and the Pre-Diabetes distribution to that of the Normals.

Targeting Normal Glucose Levels for people managing Type 1 diabetes is our North Star.

For People Managing Type 1

Must Haves:

Elimination of symptomatic hypoglycemia.

Eliminate the risk of diabetic ketoacidosis.

Achieve a distribution beyond 180 mg/dL to resemble the Type-2 Diabetes data.

Desirables:

Achieve a glucose distribution resembling the Type-2 Diabetes plot.