References:

Dataset resource

<https://www.kaggle.com/datasets/mathchi/diabetes-data-set>

glucose criteria (expert knowledge >140 is high)

<https://www.cdc.gov/diabetes/basics/getting-tested.html#:~:text=A%20fasting%20blood%20sugar%20level,higher%20indicates%20you%20have%20diabetes>.

Blood pressure (expert knowledge >80 is high)

<https://www.cdc.gov/bloodpressure/about.htm#:~:text=%2F80%20mmHg.%E2%80%9D-,What%20are%20normal%20blood%20pressure%20numbers%3F,less%20than%20120%2F80%20mmHg.&text=No%20matter%20your%20age%2C%20you,pressure%20in%20a%20healthy%20range>.

Skin thickness (avg of data, >20 is high)

Insulin (avg of data, >80 is high)

Bmi (expert knowledge > 25 is high)

<https://www.calculator.net/bmi-calculator.html>

<https://www.escardio.org/The-ESC/Press-Office/Press-releases/Body-mass-index-is-a-more-powerful-risk-factor-for-diabetes-than-genetics>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4457375/#:~:text=The%20risk%20of%20developing%20DM,HR%3D2.51%20for%20women>).

DiabetesPedigreeFunction (likelihood so > 0.5 is high)

Age(general knowledge >50 is high)