

**Table S1** Description of variables in maternal health risk prediction

Variable name	Type	Description	Units
Age	Integer	Any ages in years when a woman during pregnant	years
Systolic blood pressure	Integer	Upper value of blood pressure in mmHg, another significant attribute during pregnancy	mmHg
Diastolic blood pressure	Integer	Lower value of blood pressure in mmHg, another significant attribute during pregnancy	mmHg
Blood sugar	Integer	Blood glucose levels is in terms of a molar concentration	mmol/L
Body temperature	Integer	A normal resting body temperature	°F
Heart rate	Integer	A normal resting heart rate	bpm
Risk level	Categorical	Predicted risk intensity level during pregnancy considering the previous attribute	

**Table S2** First five rows of data after standardization and label encoding

Row	Age	Systolic blood pressure	Diastolic blood pressure	Blood sugar	Body temperature	Heart rate	Risk level
0	-0.36174	0.913396	0.255023	1.90589	0.485215	1.446956	0
1	0.380777	1.457027	0.975539	1.29834	0.485215	0.532088	0
2	-0.06473	-1.26113	-0.46549	-0.22054	0.973884	0.704815	0
3	0.009519	1.457027	0.615281	-0.52431	0.485215	0.532088	0
4	0.380777	0.369765	-1.18601	-0.79771	0.485215	0.210054	1