

RUN INSTRUCTIONS: Diabetes Prediction Streamlit App

1. Install Python 3.8 or later if not already installed.
2. Install required packages:
`pip install streamlit joblib numpy pandas scikit-learn xgboost lightgbm`
3. Make sure you have BOTH of the following files in the same directory:
 - `diabetes_app.py` (the Streamlit app)
 - `diabetes_xgb_model.joblib` (the saved model)
4. Open a terminal or command prompt and navigate to the project folder:
`cd path/to/your/folder`
5. Run the Streamlit app:
`streamlit run diabetes_app.py`
6. A browser will open automatically. If it does not, visit the URL shown in the terminal (usually `http://localhost:8501`).
7. Enter health indicator values and click 'Predict Diabetes Risk' to see the prediction.

TROUBLESHOOTING:

- If you see a 'ModuleNotFoundError', install missing packages as shown above.
- If you see a 'file not found' error for the model, check that the filename and path match exactly.

Enjoy using your interactive diabetes risk prediction app!