

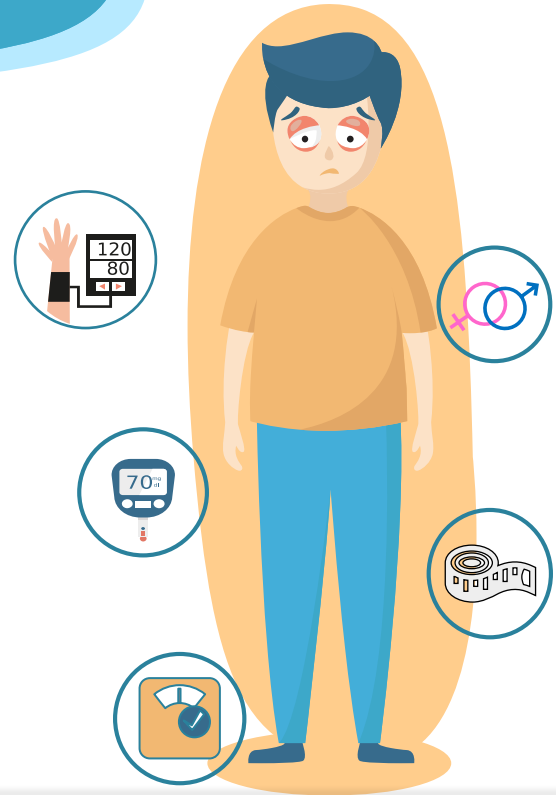
Diabetes Prediction Model

Diabetes Prediction

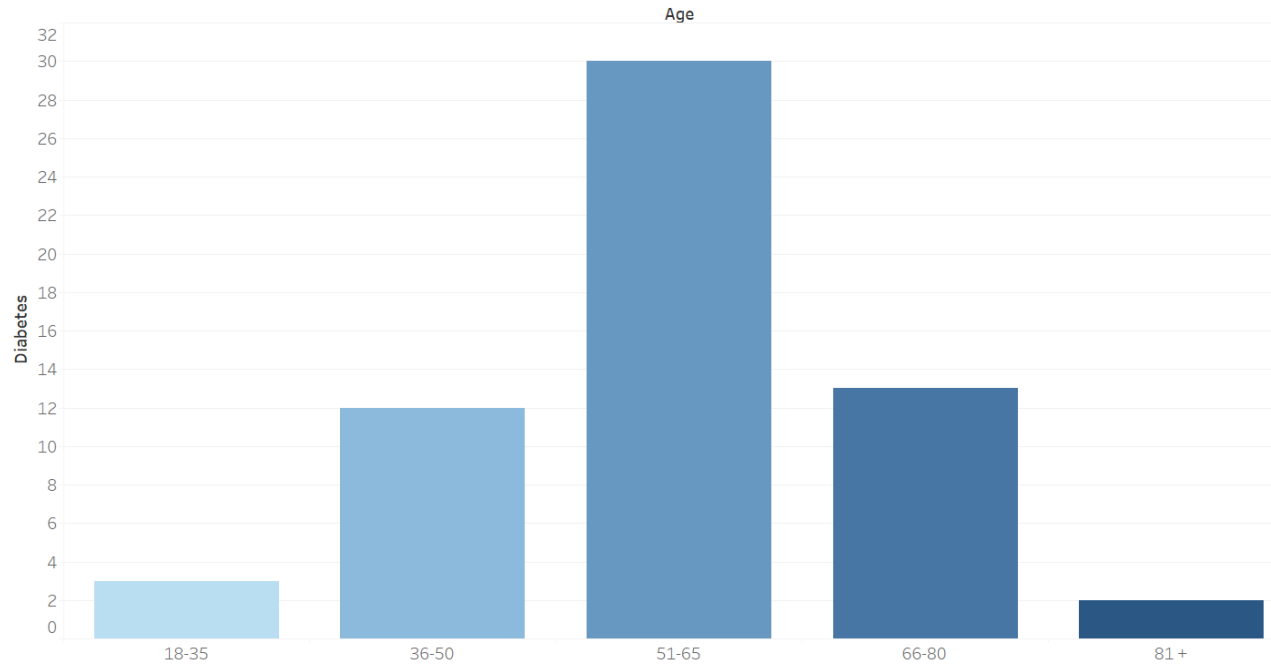
Factors

University of Virginia School of Medicine

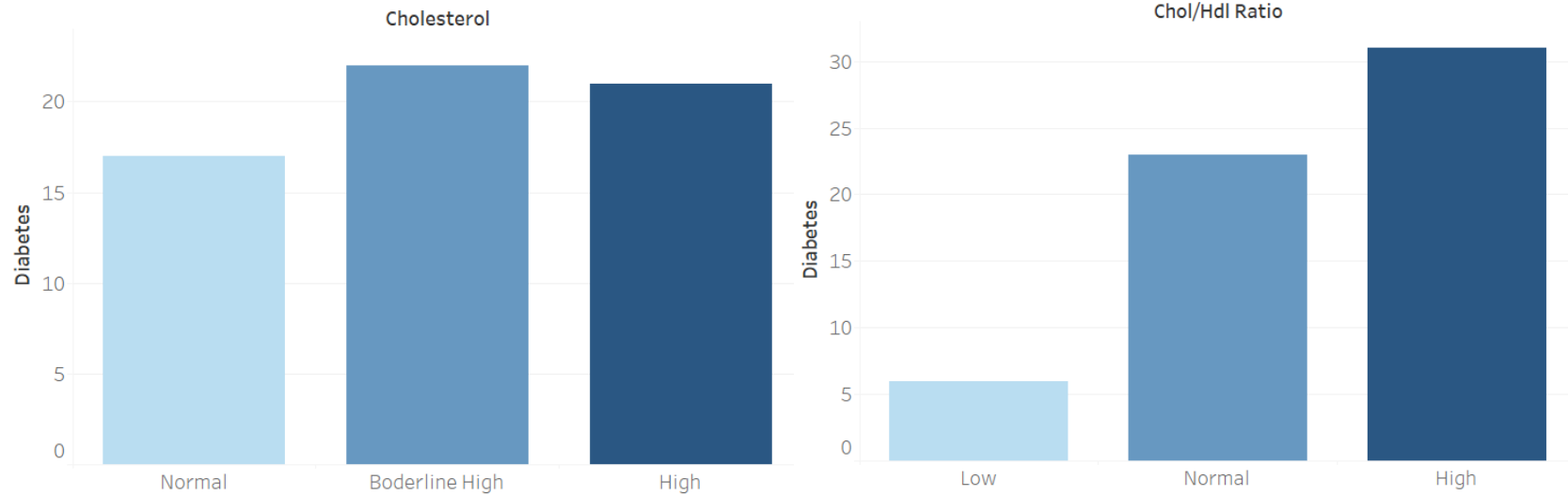
- Cholesterol
- Glucose
- HDL Chol
- Chol/HDL ratio
- Age
- Gender
- Height
- Weight
- BMI
- Systolic BP
- Diastolic BP
- Waist/hip ratio



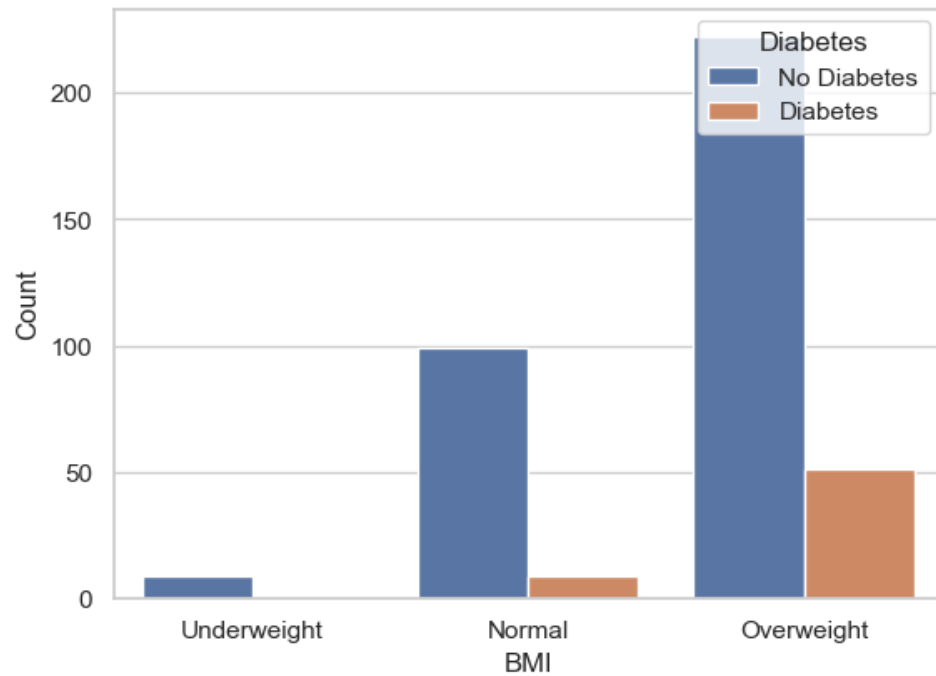
Age and Diabetes



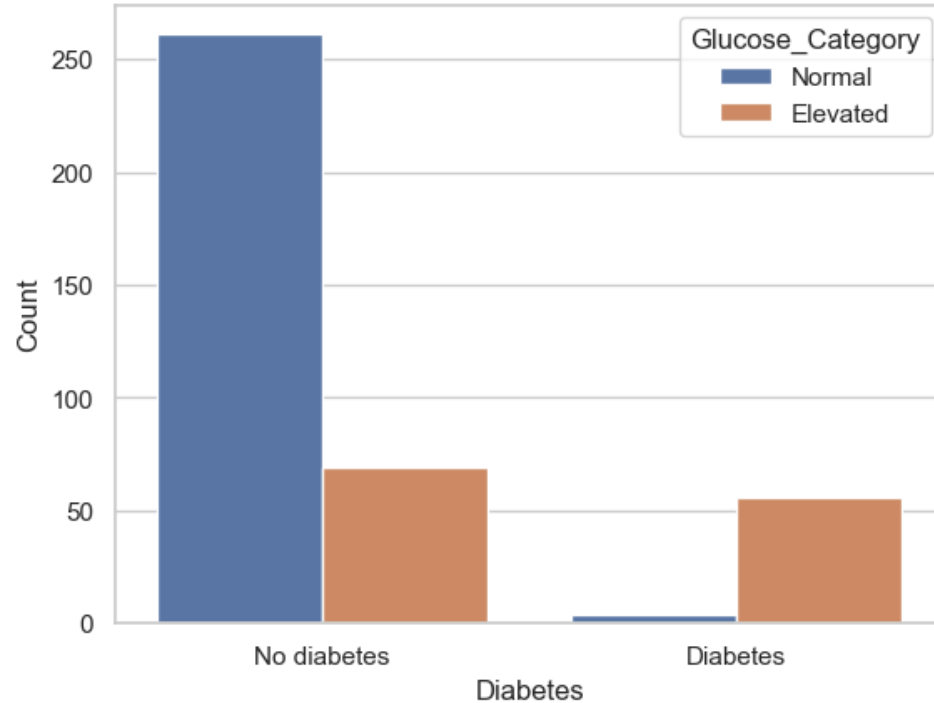
Cholesterol and Diabetes

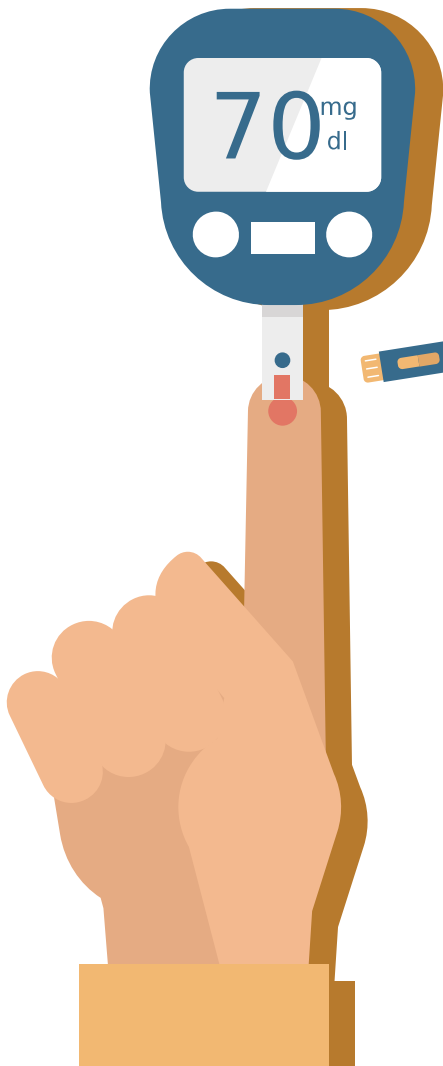


BMI and Diabetes



Glucose and Diabetes





Conclusion

Regression Model

- Recall: 1.0
- **Some graphs show a different result than expected**
- **The database was small**
 - 390 rows × 18 columns