

Predicting type II diabetes risk

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Diabetes costs \$327 B/year in the USA

1 out of every 7 dollars of
healthcare spending

34 M Americans have
diabetes

88M Americans have
prediabetes



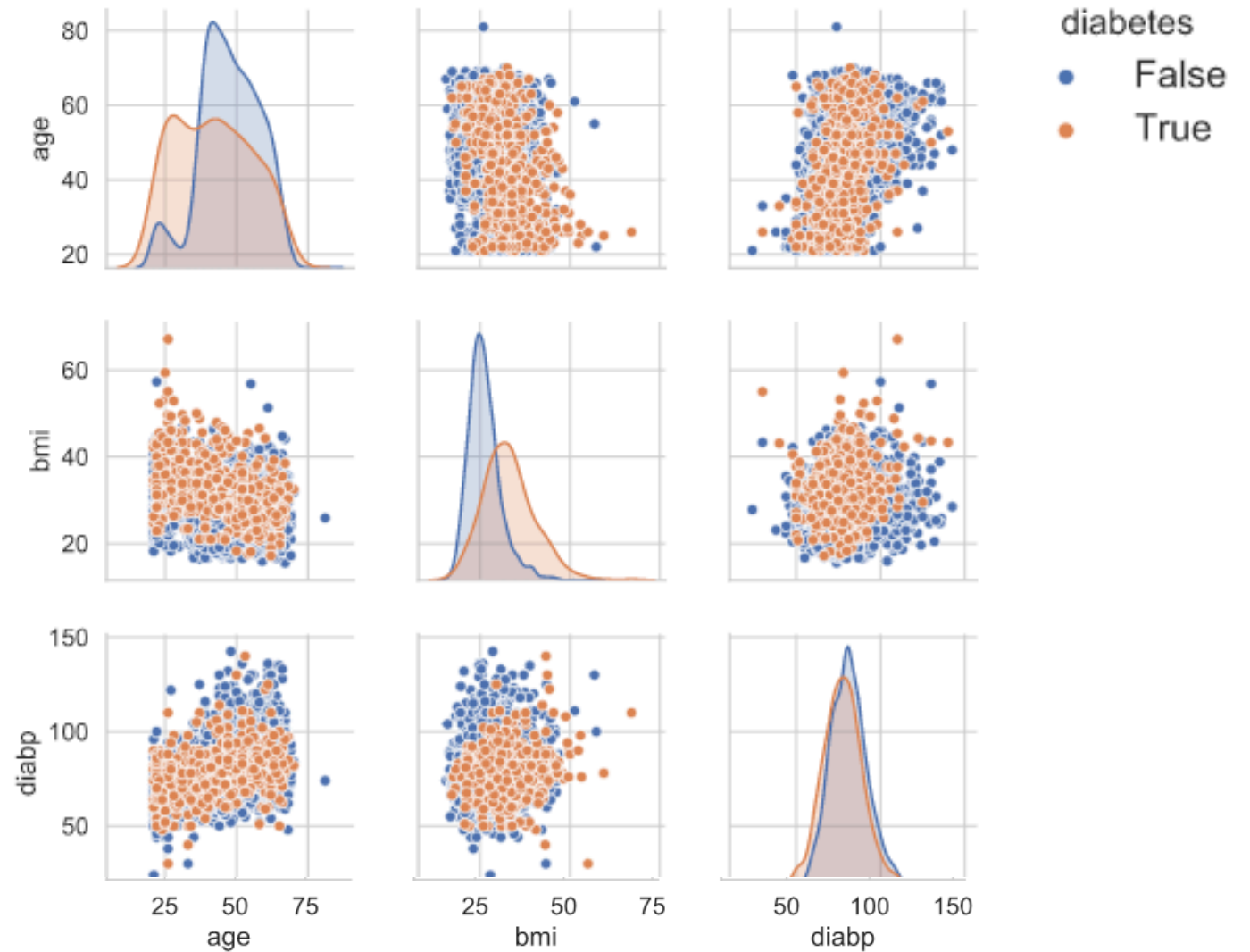
Save money and lives by finding prediabetic patients

- Diabetes care:
~\$10k/year/patient



- A1C: ~\$35/test
- PCP counseling: <\$100/visit

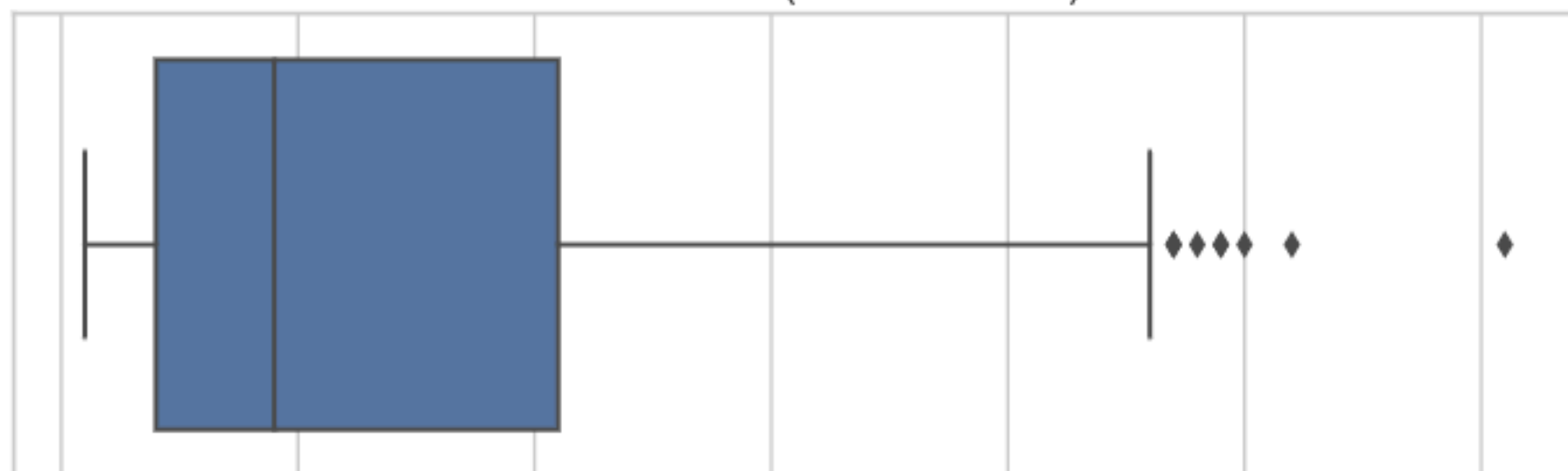
A model can
help where
simple cutoffs
can't



Next steps:

- More thorough cost-benefit analysis
- Display actual diabetes risk given a score and relative risk compared to the population
- Discuss appropriateness and legal ramifications of tree-based models

Pima dataset (33% diabetes)



Framingham dataset (0.03% diabetes)

