

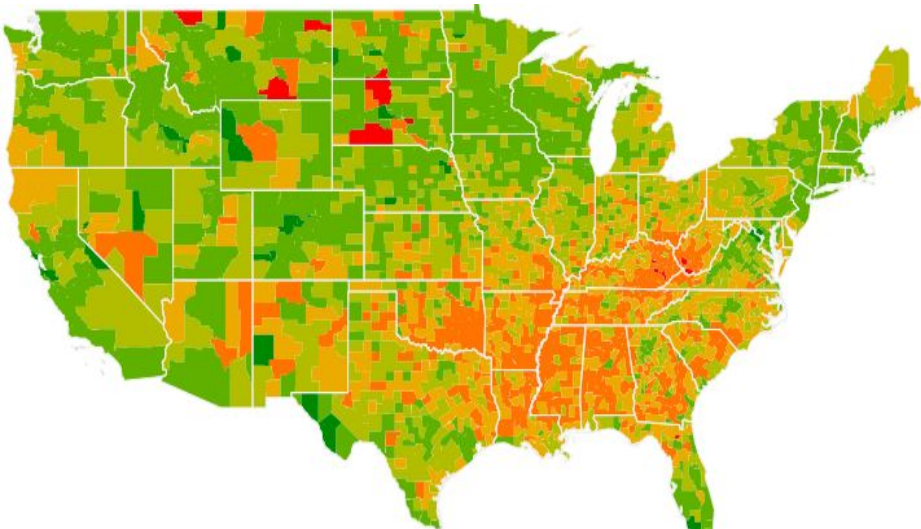
Life Expectancy in the US

Khairul Omar | Stuti Singh | Aleksandar Gakovic

from LiveLong Consultancy

Introduction

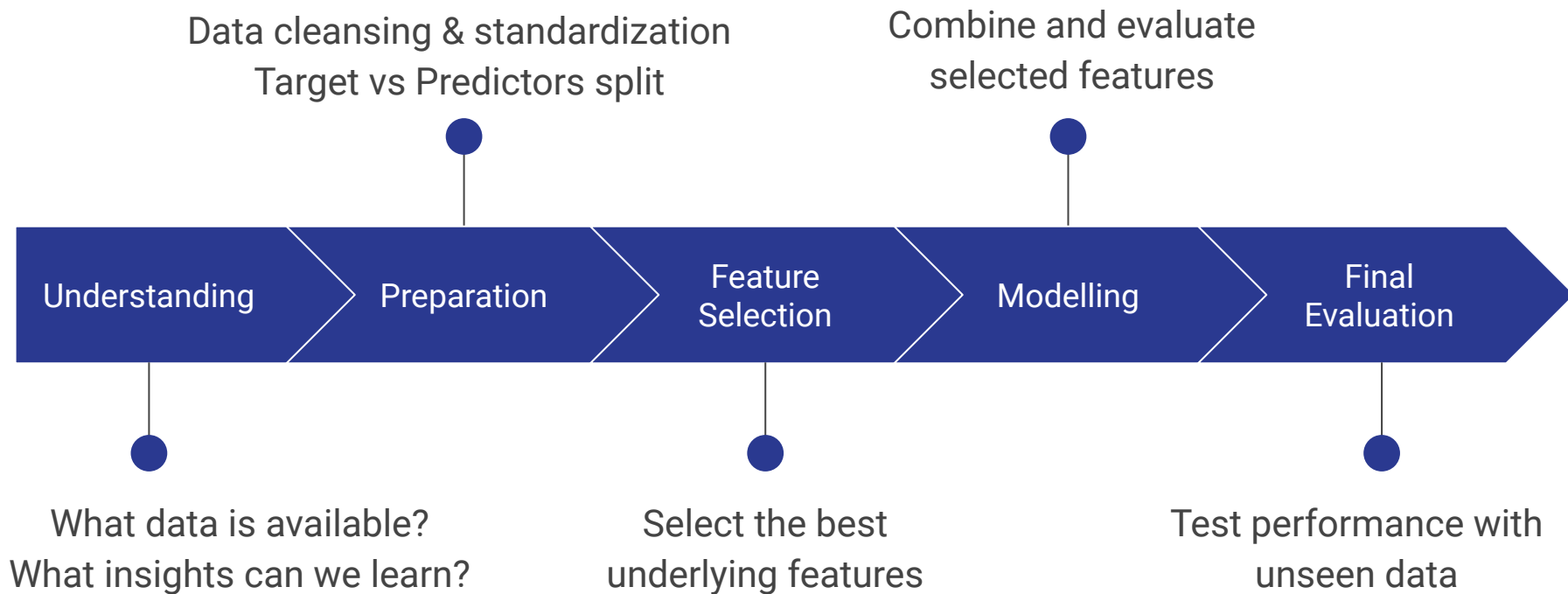
- **Problem:** Big differences in life expectancy (20+ yrs) between counties
- **Mission:** to support govt to formulate healthcare policy and budget allocation
- **Objective:** to find the most significant contributing factors to life expectancy



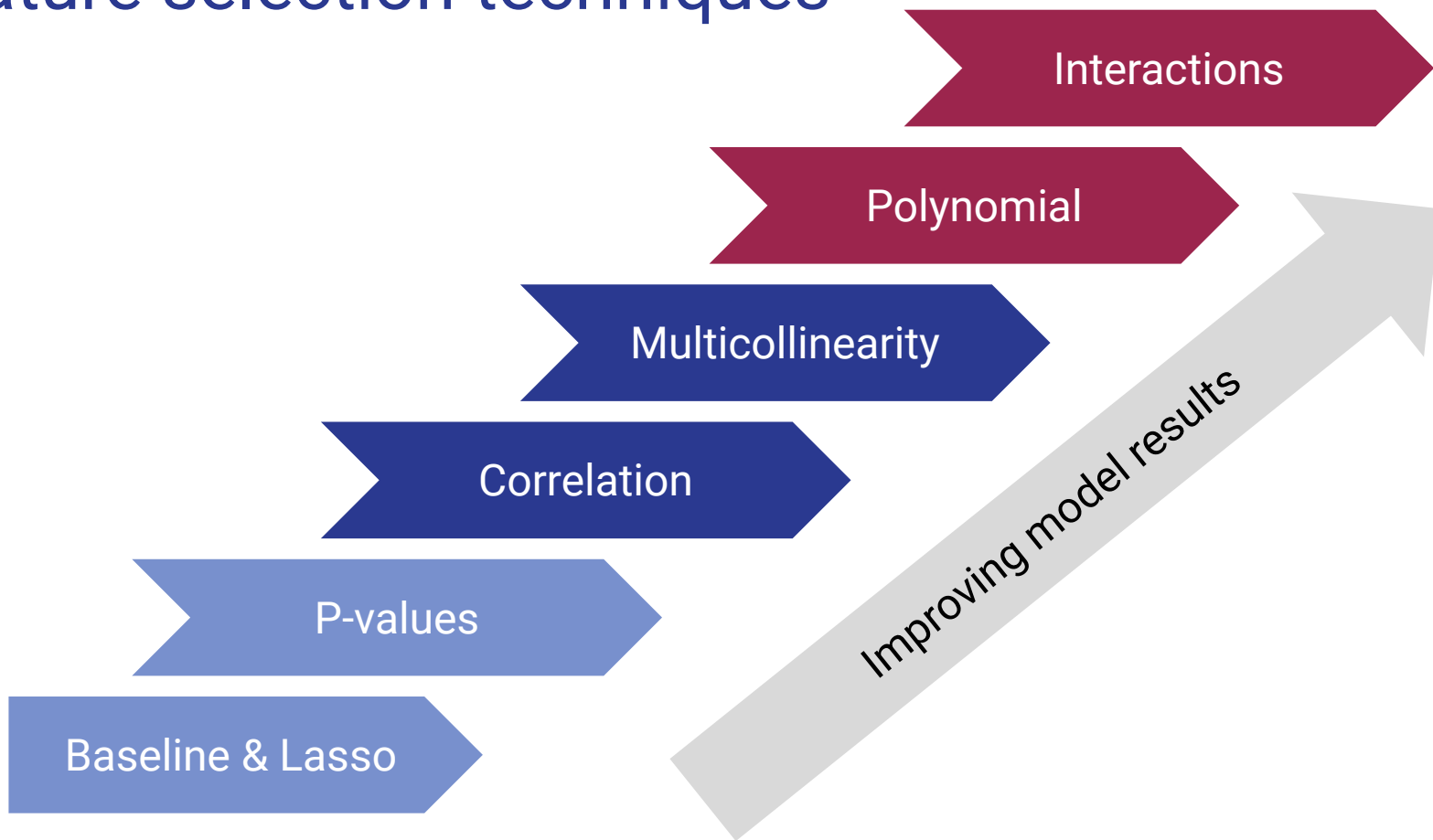
Life expectancy by county



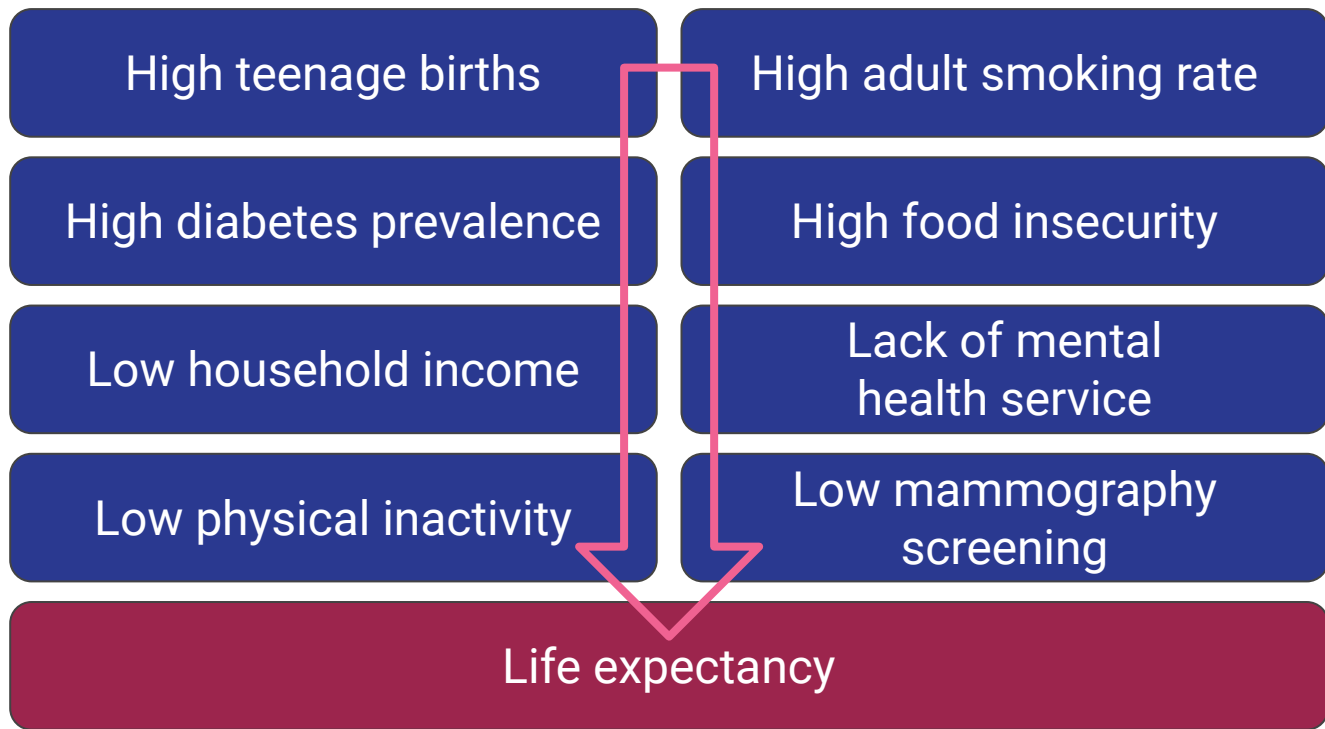
Methodology



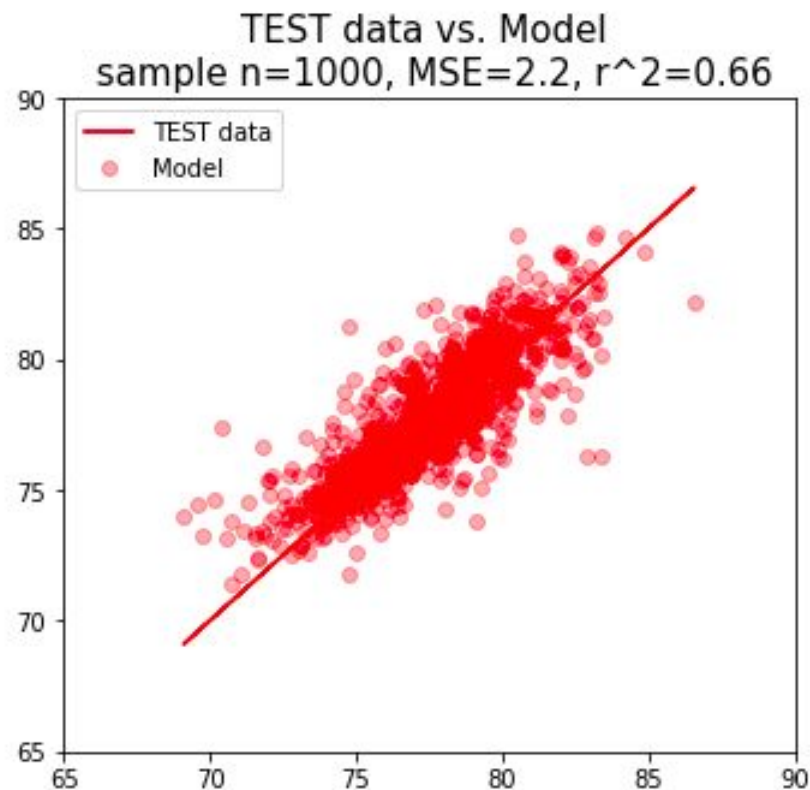
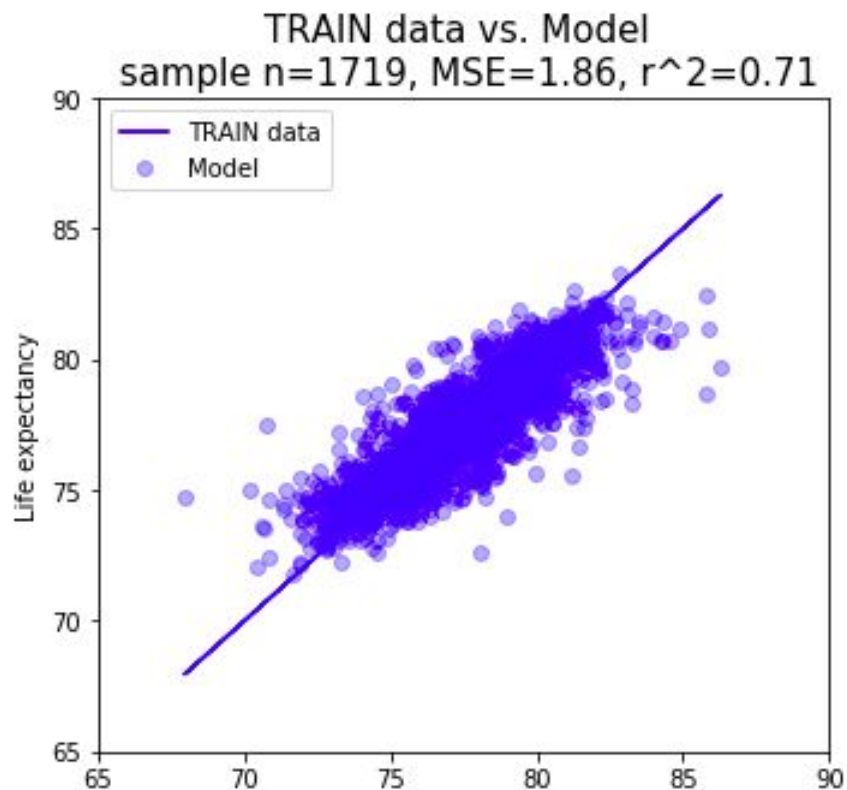
Feature selection techniques



Top factors that reduce life expectancy



Model result and validation



Recommendations to US Federal Agencies

Sex education in school

Improvement in sex education curriculum in schools to be prioritized to reduce teen pregnancy, which came out as top factor in lowering life expectancy.

Food stamps program

Extending food stamps program to more vulnerable population to improve affordable access to food and to combat diabetes via healthier food options.

Focus on the South

Southern states particularly Mississippi, Alabama and Louisiana are the key areas of focus where life expectancy is the lowest.

Q & A

