

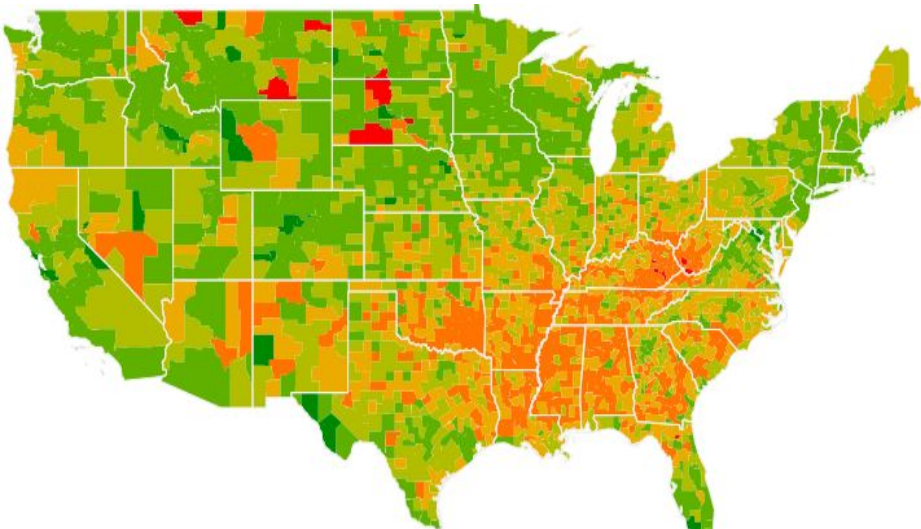
Life Expectancy in the US

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from LiveLong Consultancy

Introduction

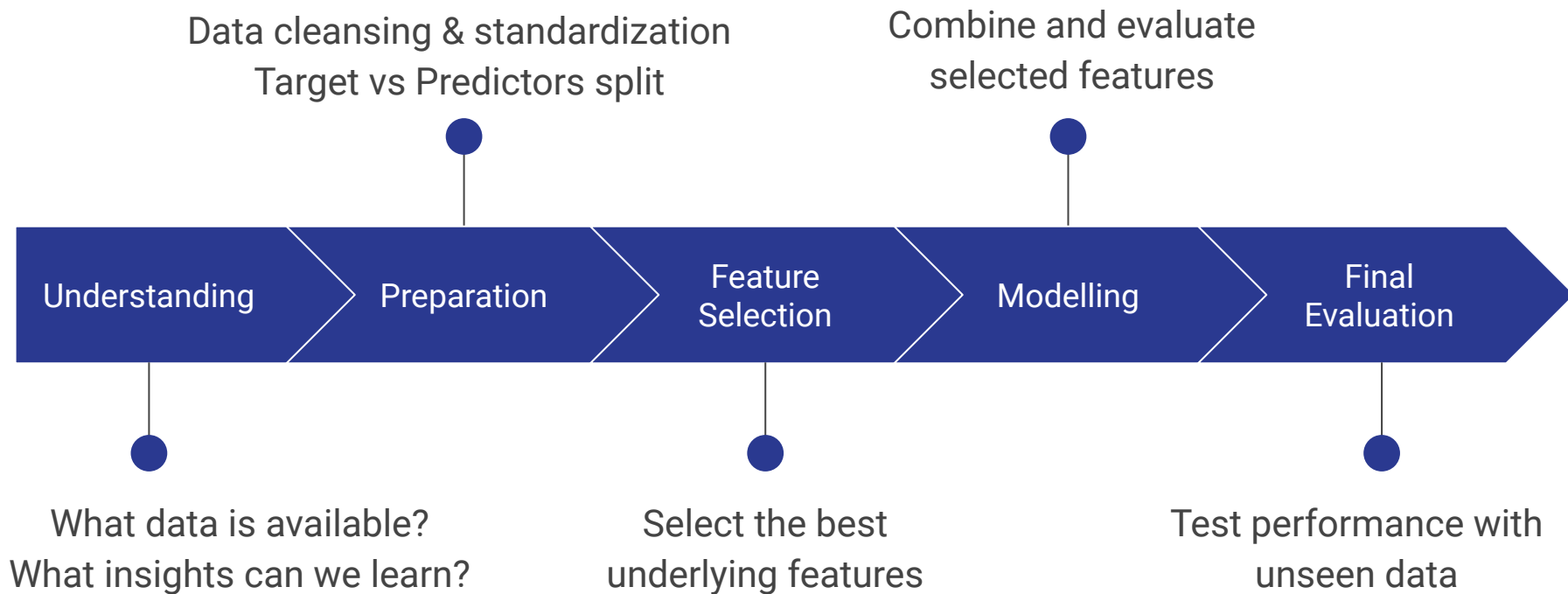
- **Problem:** Big differences in life expectancy (20+ yrs) between counties
- **Mission:** to support govt to formulate healthcare policy and budget allocation
- **Objective:** to find the most significant contributing factors to life expectancy



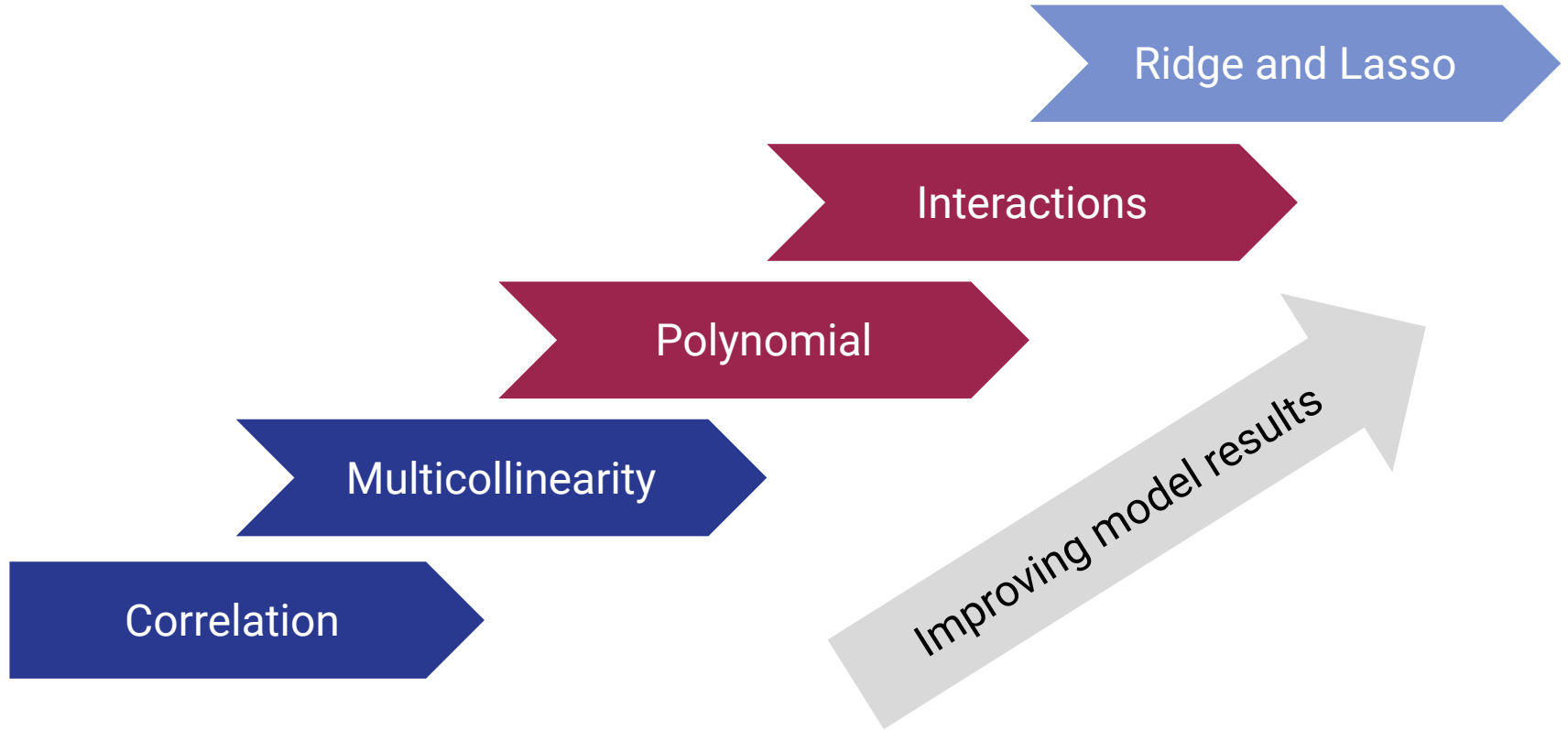
Life expectancy by county



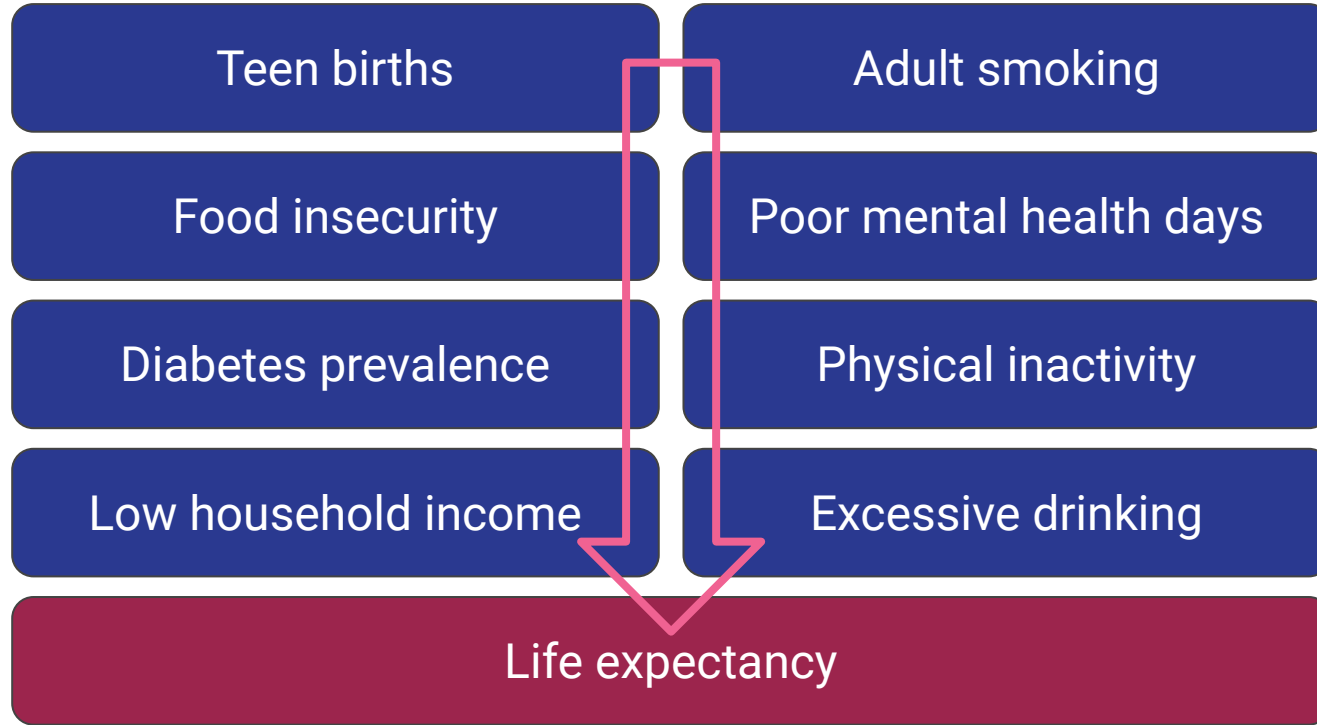
Methodology



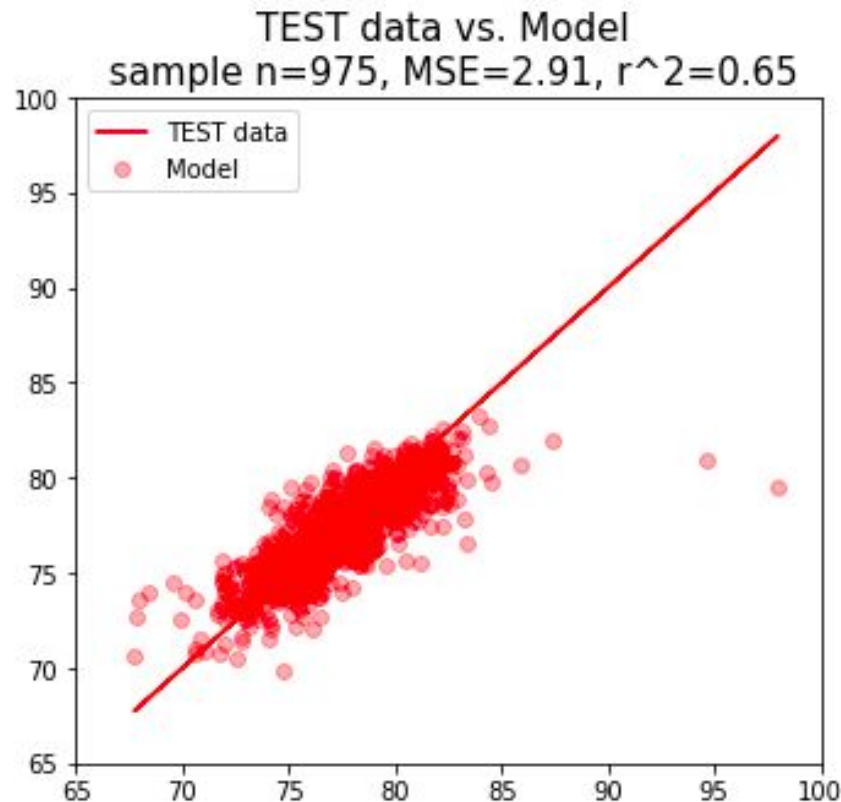
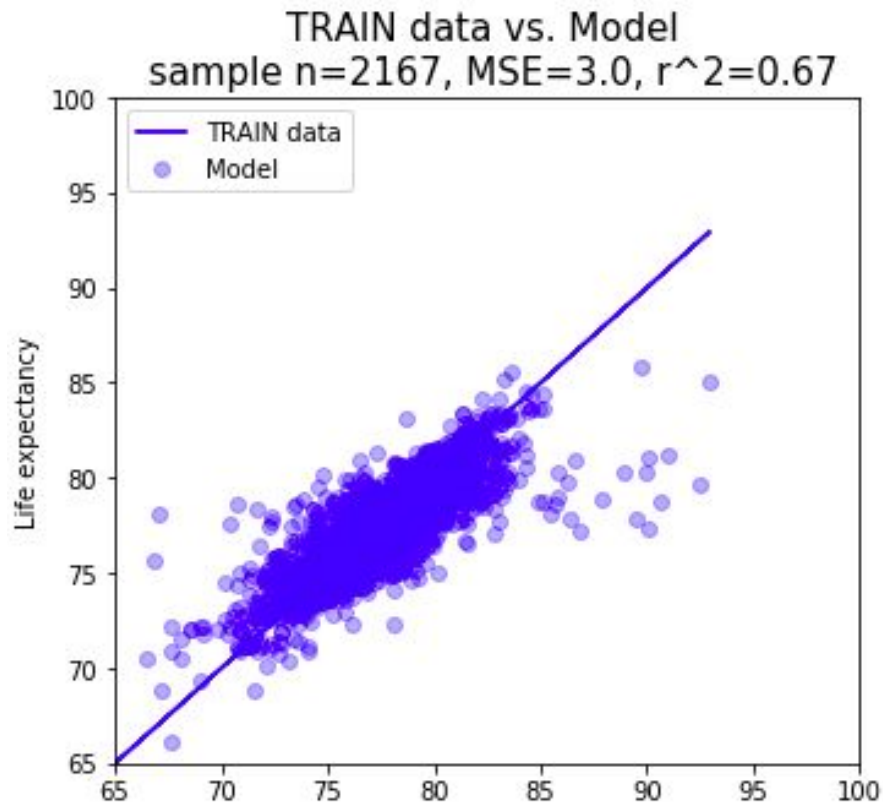
Feature selection techniques



Top factors that reduce life expectancy



Model result and validation



Conclusions



- Teen births, smoking and food insecurity are top contributors to lower life expectancy
- Trade-off between model's accuracy and ability to predict using unseen data input
- Valuable insight for the govt to assist in formulating healthcare policies and budgeting

Q & A

