

	Year 1	Year 2	Year 3	Year 4	Year 5
Stan GLM	meta-analysis	3-4 level models	semi- and parametric survival		change point
Shinystan	Binary posterior predictive check	dependence plot	tree depth plot		
New Methods	Dependence plot	Multilevel model priors			

Table 1: Timeline: The above timeline outlines our targets and milestones over the five year grant period.

Research Strategy

Significance

Big Models for Big Data

Need for more complex models for EHR

subsubsection on why

Difficulty to fit complex models

Stan is flexible and fast

Modeling should be accessible

Innovation

H MC Algorithm is faster

Approach

Multidimensional statistical and computational methods for analyzing, inspecting, displaying, representing, parsing, and searching high-dimensional data

RstanArm Development

Best practices and proven methods for software design, construction, and implementation

Mechanisms for incorporating user reported corrections into the software.

Timeline

test