

L^AT_EX-Stats-Template

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Workshop or Event
Place, Location
15th February 2021

Agenda

- 1 Blocks
- 2 Algorithms
- 3 Section3Title

1 Blocks

2 Algorithms

3 Section3Title

Blocks can have different colours for effect.

Poisson GLM might look good with yellow block

- $N_i \sim \text{Poisson}(\lambda_i)$ for observation i .

$$\log \lambda_i = \mathbf{x}_i^T \beta \text{ (GLM)}$$

$$\log \lambda_i = \mathbf{x}_i^T \beta + \sum_j f_j(x_{ij}) \text{ (GAM)}$$

Gamma GLM might look good inside the green block

- $S_i \sim \text{Gamma}(\mu_i, \nu)$ where $\mathbb{E}(S_i) = \mu_i$.

$$\log \mu_i = \mathbf{x}_i^T \beta \text{ (GLM)}$$

$$\log \mu_i = \mathbf{x}_i^T \beta + \sum_j f_j(x_{ij}) \text{ (GAM)}$$

Claim frequency and claim severity

Model for claim frequency

Assume $N_i \sim \text{Poisson}(\lambda_i)$ for customer i .

$$\log \lambda_i = \mathbf{x}_i^T \boldsymbol{\beta} \quad (\text{GLM})$$

$$\log \lambda_i = \mathbf{x}_i^T \boldsymbol{\beta} + \sum_j f_j(x_{ij}) \quad (\text{GAM})$$

Model for claim size

Assume $S_i \sim \text{Gamma}(\psi_i, \nu)$ where $\mathbb{E}(S_i) = \psi_i$.

$$\log \psi_i = \mathbf{x}_i^T \boldsymbol{\beta} \quad (\text{GLM})$$

$$\log \psi_i = \mathbf{x}_i^T \boldsymbol{\beta} + \sum_j f_j(x_{ij}) \quad (\text{GAM})$$

Split frame and visible

Left split col

- Make good points

Split frame and visible

Left split col

- Make good points
- Sequentially

Split frame and visible

Left split col

- Make good points
- Sequentially
- For impact!

Split frame and visible

Left split col

- Make good points
- Sequentially
- For impact!

Right split col

- Show this column later
- Give more flexibility
- Write amazing things

1 Blocks

2 Algorithms

3 Section3Title

1 Blocks

2 Algorithms

3 Section3Title

Section outline

- Amazing things
- more amazing things.

Questions?