

# New Intrograph

Jiaxin Hu

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## 1 New introduction graph

b.

mean response tensor

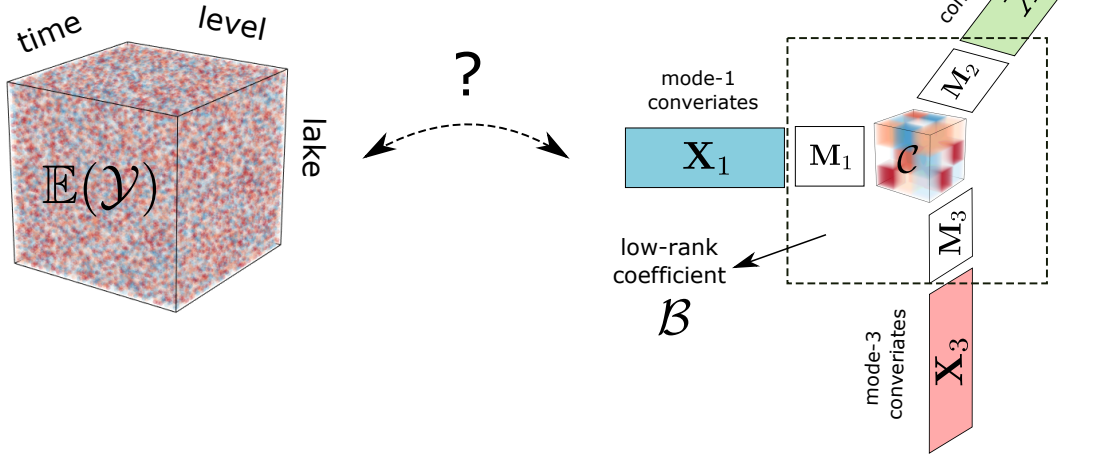


Figure 1: Examples of tensor response regression model with covariates on multiple modes. (b) Spatial-temporal growth model. Coefficient tensor  $\mathcal{B} = \mathcal{C} \times_1 \mathbf{M}_1 \times_2 \mathbf{M}_2 \times_3 \mathbf{M}_3$ , where  $\mathcal{C}$  is a core tensor and  $\mathbf{M}_k, k = 1, 2, 3$  are factor matrices.