

Generalised Linear Latent Variable Models are a powerful class of models for understanding the relationships among multiple, correlated responses. Estimation however presents a major challenge, as the marginal likelihood does not possess a closed form for non-normal responses. The purpose of this project is to explore the use/accuracy of a particular class of likelihood approximation methods. The idea is to investigate a limited number of models/scenarios and to apply methods to psychiatric genetics data. If time allows, it would also be of interest to explore the implementation of the methods on a distributed computing platform.

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