

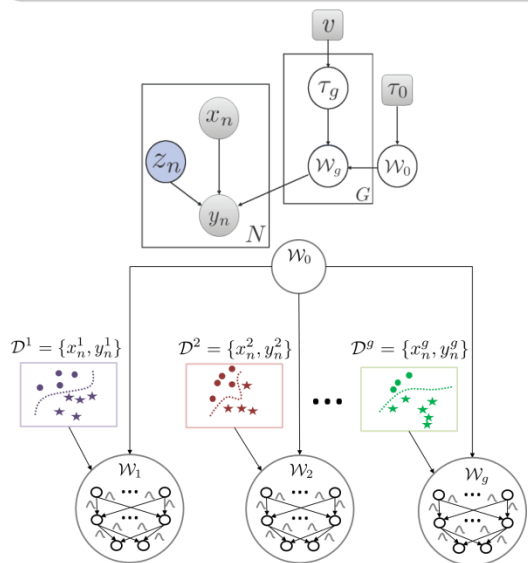
Hierarchical Bayesian Neural Networks for Personalized Classification

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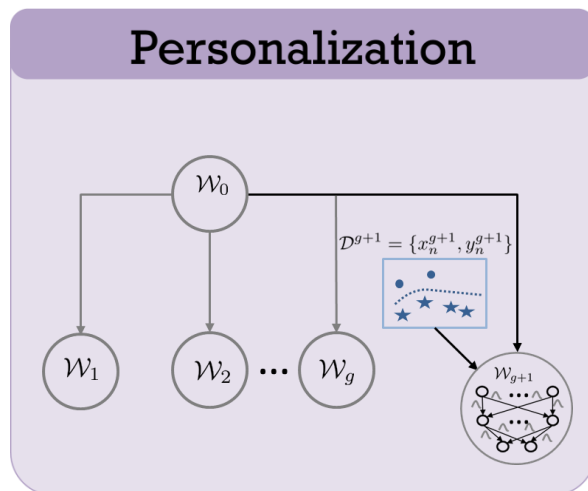
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- We develop **hierarchical Bayesian neural networks** to perform **personalized classification**.
- We utilize the inferred posterior over the weights to drive an **active learning** procedure to **personalize** a pre-trained model to new groups.
- We test our method on a **personalized gesture recognition** task and demonstrate state-of-the-art results on the MSRC-12 gesture recognition dataset.

Hierarchical Bayesian Neural Networks



Personalization



Gesture Recognition

