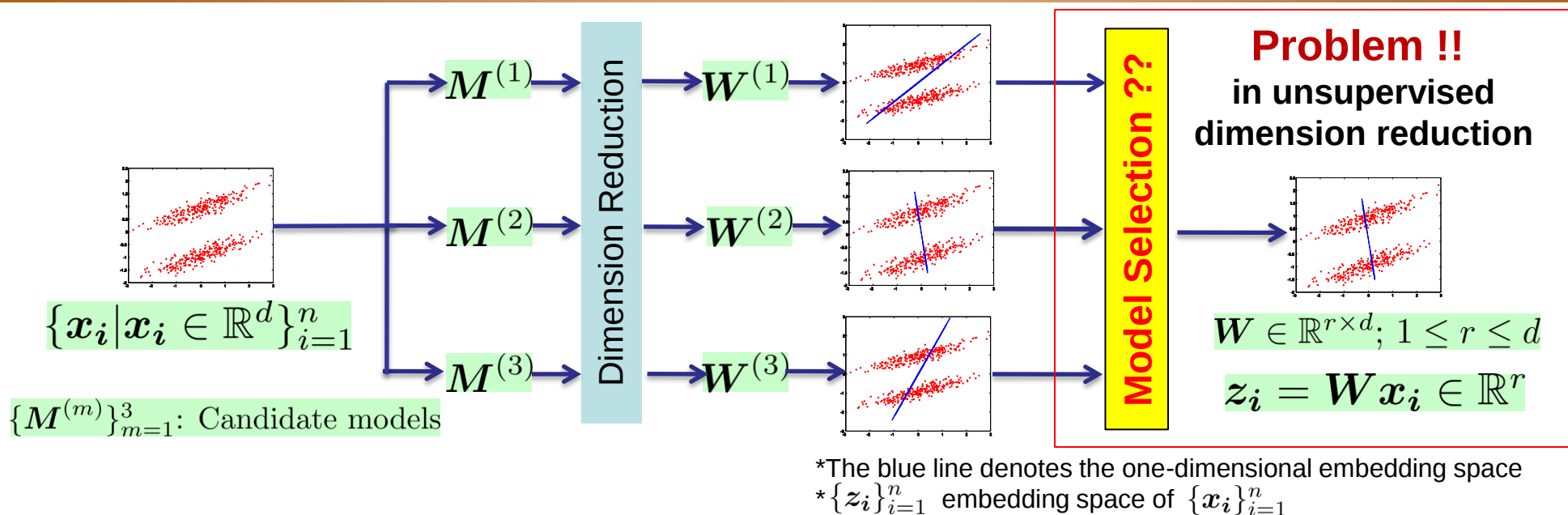


Unsupervised Dimension Reduction via Least-Squares Quadratic Mutual Information

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- We **propose** to use the quadratic mutual information (QMI) in unsupervised dimension reduction.

$$\text{QMI} := \iint \left(p(z, x) - p(z)p(x) \right)^2 dz dx$$

- Our method **allows objective model selection** based on cross-validation.