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Learning by Coincidence: Siamese Networks and Common Variable Learning

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Highlights

- Siamese networks are proposed for unsupervised learning of a common source of variability in multimodal data.
- The common source of variability is identified using coincidence and concurrence of measurements in different modalities.
- The functionality of Siamese networks is interpreted as trying to learn equivalence classes associated with a common source of variability present in different modalities.

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