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A model of flexible feature learning for segmentation and unitization

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A model of flexible feature learning for segmentation and unitization

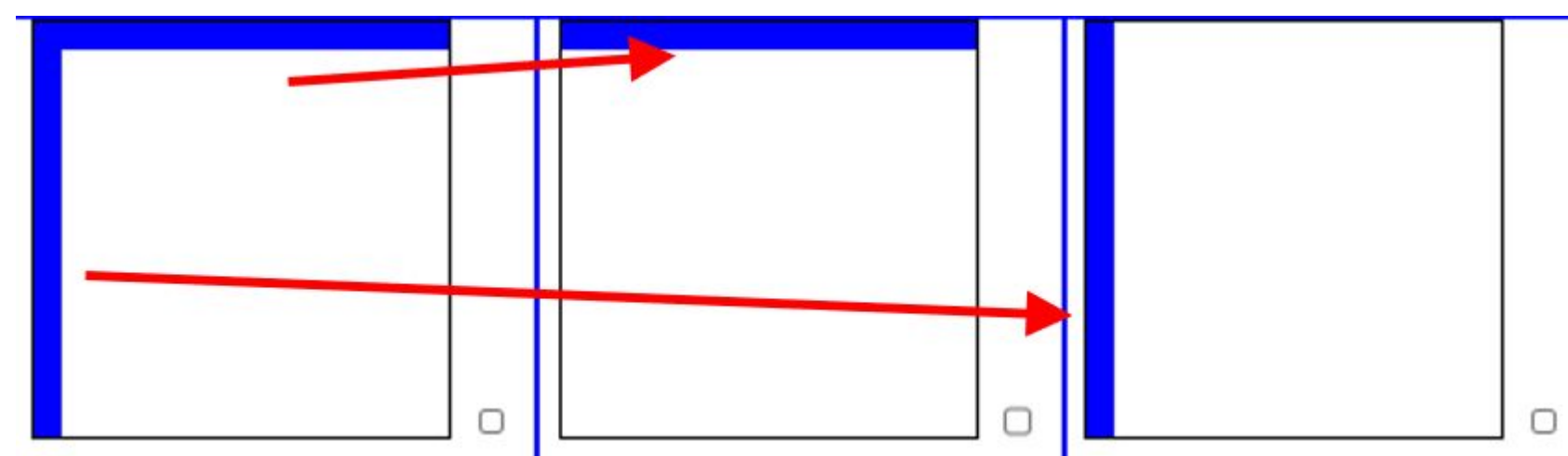
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What is learning for segmentation and unitization?

- Learning whole units or meaningful component parts of those units.



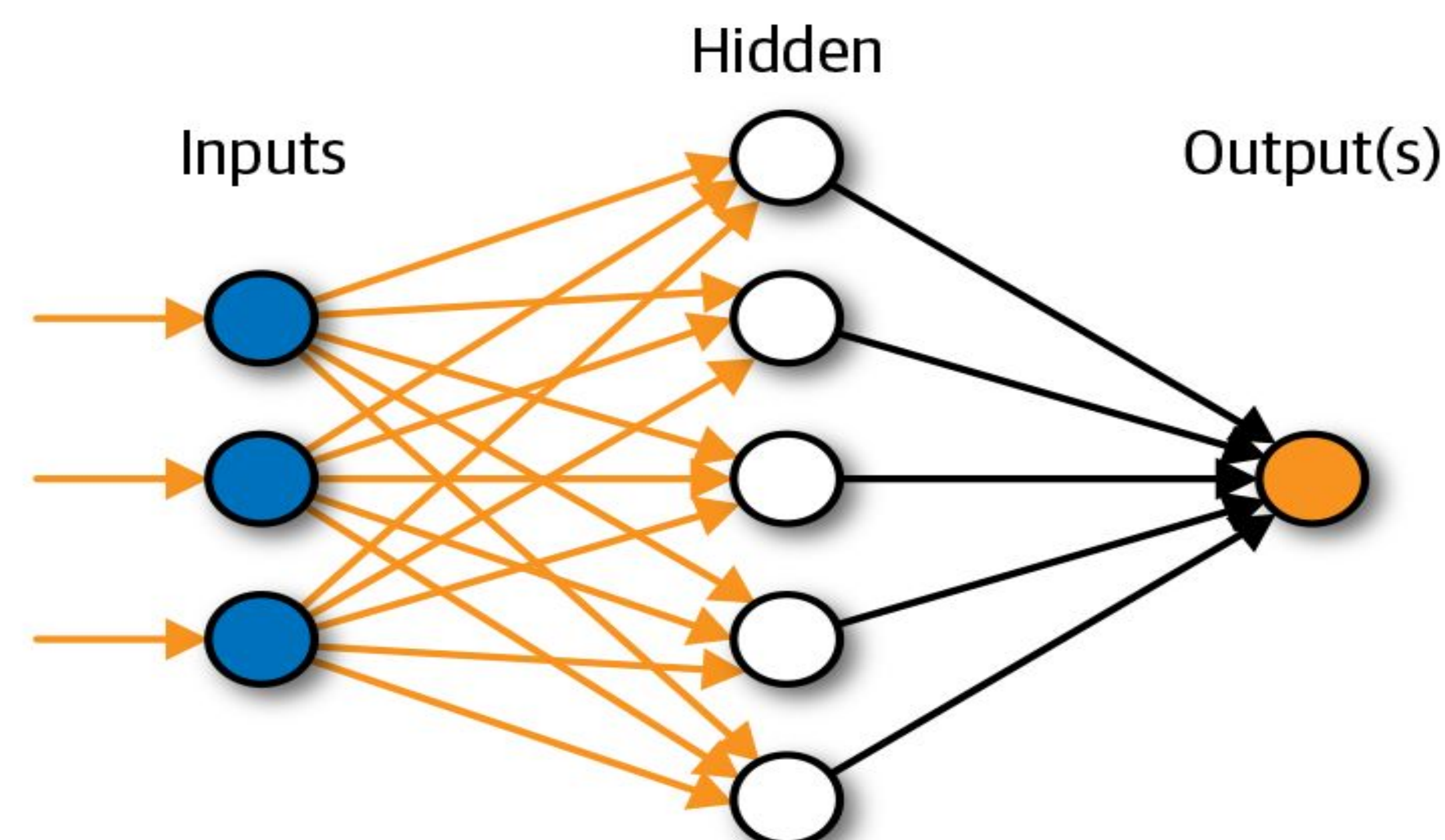
What kinds of learning are included in this neural network model?

Unsupervised learning

- Learn clusters of features/components that are similar across the set of stimuli
 - For example, learn that there are common facial features.

Supervised learning

- Feedback from a “teacher” influences what we learn
 - For example, the category label “Dad” influences us to learn features that are especially diagnostic for differentiating “dad” from other categories.



What is our purpose?

- Using javascript to create the model on a website so users can train and test this neural network approach to feature learning.

AI through supervised/unsupervised learning.

What do we have right now?

Feature learning neural network model

How to use this website: draw something on pannel and click train to train the AI!

Load Image Methods: Cplus Training blocks: Train New Load Save

hidden neurons: Association param: Output Rate: M rate: learn rate:

category1: category2: category3: category4:

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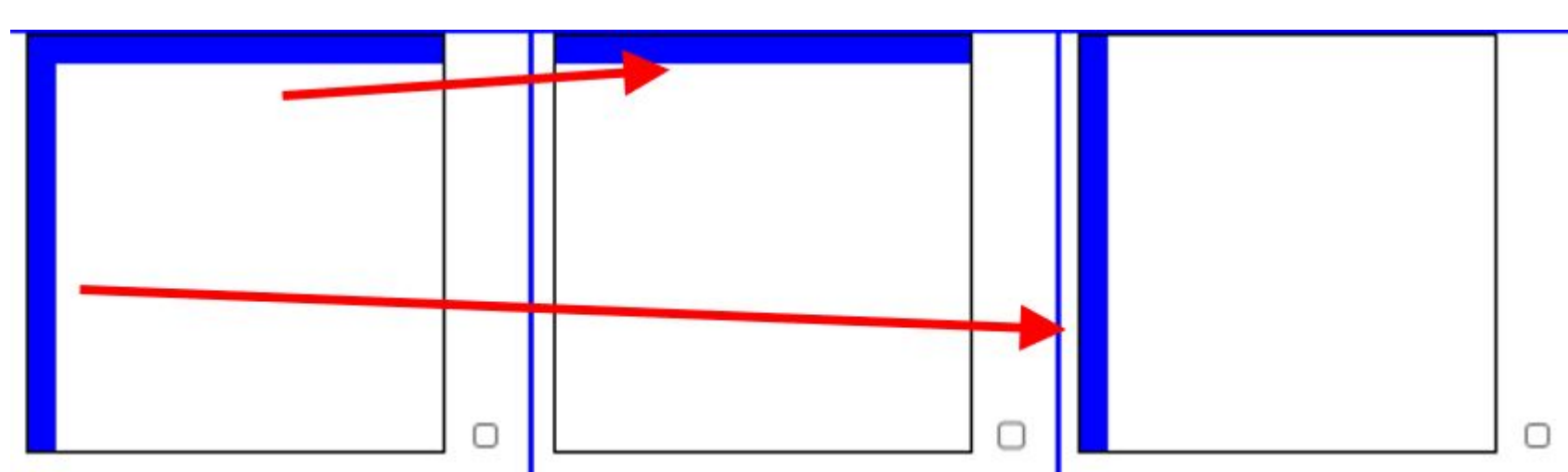
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This is our online website to test your own feature learning model. You can see how people learning segmentation through our model.

