Semantic Map

- SOM can be trained with high-dimensional vectors representing multi-attributed entities such as animals.
- The resulting map could show interesting relationships among the animals.

Semantic Map: BMUs

- The sixteen inputs are mapped to their best matching units on the map.
- Try guessing what their neighboring units’ weight vector would look like.

Semantic Map: Probed Map

- Find out, for each SOM unit, which animal it responds maximally.
- For this kind of probe, every unit will have an animal assigned, even when they are not the BMU for any of these animals.
- Note the partitioning of the map into coherent categories.