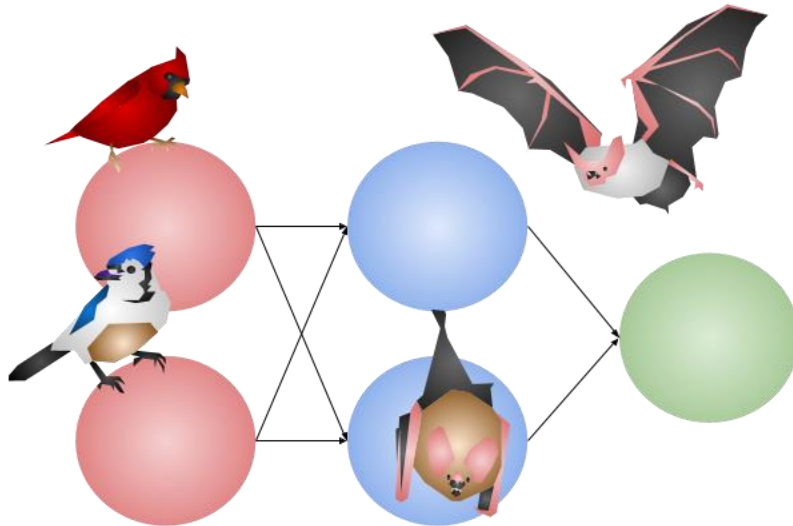


EEOB 8896.xx

Applications of machine learning and artificial intelligence to evolutionary, ecological, and behavioral research.



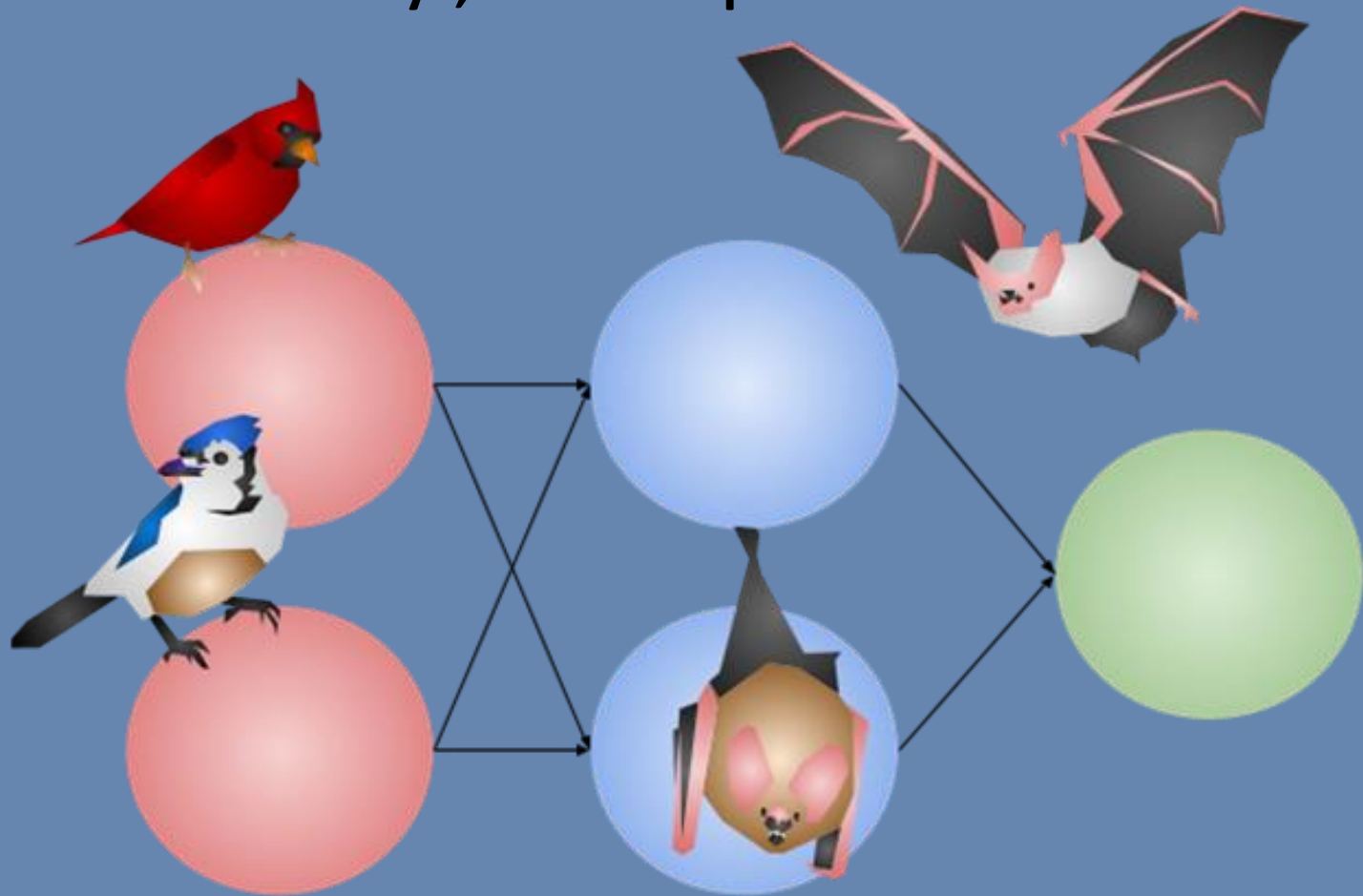
Do you want to understand machine learning (ML) and artificial intelligence (AI) approaches as they relate to ecology and evolution?. This seminar will provide readings from the primary literature that apply these concepts to major questions relevant to EEOB. Topics covered include predictive modeling, random forest, data imputation, neural networks, and tensor flow deep learning.

Seminar will have two lead instructors. *Kaiya Provost* is an NSF-funded postdoc working on AI approaches to analyzing recordings of bird calls. *Bryan Carstens* is interested in exploring how ML and AI enable the automated analysis of big messy biological data sets.

8896.19 (1 credit hour)

Carstens/Provost

**Applications of machine learning and
artificial intelligence to
evolutionary, ecological, and behavioral research
Tuesdays, 3:00-4:00pm 104 Aronoff**



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