SOUND SCIENCE: BASICS OF BIOACOUSTICS - VOCABULARY LIST

Anthrophony – sounds generated by human activity

Artificial Intelligence (AI) – technology that helps analyze patterns in data

ARU (Autonomous Recording Unit) – a battery-powered device used outdoors that records sounds in the field continuously without disturbing wildlife

Behavior – the actions or reactions of an animal

Bioacoustics – the science of studying sounds made by living organisms to learn about animal behavior, location, and communication

Biophony - non-human sound produced by living organisms—such as bird songs, insect chirps, and whale calls—within a given habitat

Communication – how animals send and receive information

Conservation – protecting animals and their habitats

Data – information collected during research

Data set – an organized collection of information gathered about a specific topic. It can be a list, table, or group of data points, like the test scores of all students in a class, used to find patterns or answer questions

Ecosystem – a community of living organisms and their physical environment functioning together as a system

Machine Learning – a type of artificial intelligence in which a computer learns to recognize patterns by studying large numbers of examples

Monitoring – Observing and tracking something over time

Non-invasive research – studying animals without disturbing them

Pattern recognition – identifying repeated sounds or behaviors

Signal – A sound or action used to communicate

Soundscape – all the sounds present in an environment at a given time, including animal, weather, and human sounds

Vocalization – any sound an animal produces