1. Going over github for project resoures.
2. Brief slides on:
   1. Biodiversity and challenges.
   2. Revisiting the introduction to machine learning concepts.
   3. Case studies on AI applications in wildlife conservation.
3. Going through data sources for ecological and climate data.
   1. Explaining datasets and data sources for datasets.
   2. Revisiting Python and machine learning.
   3. Preprocessing data using Python.
4. Performing statistical analysis on the ecological data.
   1. Identifying visualization techniques for identifying patterns.
   2. The use of seaborn, matplotlib, and plotly for EDA.
   3. Group discussions on the findings and ecological implications.
5. Going through supervised machine learning algorithms (i.e. decision trees, random forests), discussing logistic regression.
   1. Going through model evaluation metrics (i.e. accuracy, precision, recall).
   2. Building predictive models for species distribution.
   3. Cross-validation and hyperparameter tuning exercises.
6. Going over architecture components for framework EcoPredictML
   1. Integrating real-time weather data with ecological data.
   2. Repeating steps for statistical analysis on ecological data to weather data.
7. Going through supervised machine learning algorithms with weather and ecological data.
8. Providing students with slides to create a presentation of what they learned.
9. Students presenting what they have learned.