

- ✓ Obtain data from audio databases of breathing cycle sounds
- ✓ Used spectral estimation and customized statistical features
- ✓ Challenge: bias in data set
- ✓ Use neural network methods to classify audio samples
- ✓ Output diagnosis / confusion matrix
- ✓ Current accuracy = 75%. Due to COPD bias in data set
- ✓ Goal: Design a lesson to inspire students to pursue a career in STEM

