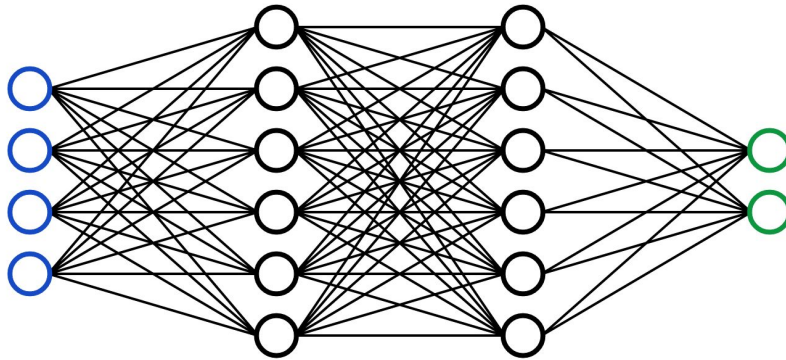


# Optimizing Feature Sets for Gesture Recognition

Minimizing TinyML Model Size for the Arduino Nano 33 BLE Sense

Brad Voracek, Michael Stanley, Andreas Spanias

- Arduino board has fixed memory to fit ML models into
- Which features can be generated to reduce model size and keep high accuracy in gesture prediction?
- Choosing to optimize for gesture recognition and the Keras Sequential Neural Network algorithm
- Research will be used to motivate my 9th grade classroom to be interested in STEM and Machine Learning



SlopeSkew & Variance Features Confusion Matrix

